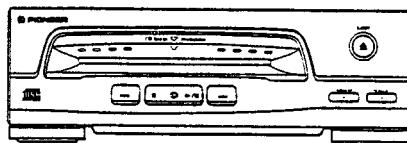


PIONEER
The Art of Entertainment

Service Manual



ORDER NO.
RRV1529

COMPACT DISC PLAYER

PD-P5500

- This product is a component of a system.
Refer to the service manual RRV1525 for XS-P5500.
- This product does not function properly when independent; to avoid malfunctions, be sure to connect it to the prescribed system component(s), otherwise damage may result.

- XS-P5500 is a combination of the following components.

STEREO AMPLIFIER	: A-P5500
STEREO TUNER	: F-P5500RDS
COMPACT DISC PLAYER	: PD-P5500
STEREO DOUBLE CASSETTE DECK	: CT-P5500WR

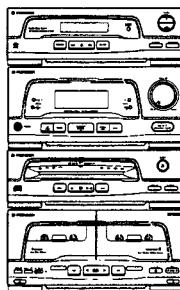
PIONEER ELECTRONIC CORPORATION 4-1, Meguro 1-Chome, Meguro-ku, Tokyo 153, Japan
PIONEER ELECTRONICS SERVICE, INC. P.O. Box 1760, Long Beach, CA 90801-1760, U.S.A.
PIONEER ELECTRONIC (EUROPE) N.V. Haven 1087, Keetberglaan 1, 9120 Melsele, Belgium
PIONEER ELECTRONICS ASIACENTRE PTE. LTD. 501 Orchard Road, #10-00 Lane Crawford Place, Singapore 0923

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Service Manual



ORDER NO.
RRV1525

SEPARATE MINI COMPONENT SYSTEM

XS-P5500

THIS MANUAL IS APPLICABLE TO THE FOLLOWING MODEL(S) AND TYPE(S).

Type	Model	Power Requirement	Remarks
	XS-P5500		
MYIXK	○	AC220-230V	
MYXK/EA	○	AC220-230V	
MYXK/EB	○	AC220-230V	
NVKK	○	AC230V	

- XS-P5500 is a combination of the following components.

STEREO AMPLIFIER	: A-P5500
STEREO TUNER	: F-P5500RDS
COMPACT DISC PLAYER	: PD-P5500
STEREO DOUBLE CASSETTE DECK	: CT-P5500WR

- This product does not function properly when independent; to avoid malfunctions, be sure to connect it to the prescribed system component(s), otherwise damage may result.

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4993

1. SAFETY INFORMATION

This service manual is intended for qualified service technicians; it is not meant for the casual do-it-yourselfer. Qualified technicians have the necessary test equipment and tools, and have been trained to properly and safely repair complex products such as those covered by this manual. Improperly performed repairs can adversely affect the safety and reliability of the product and may void the warranty. If you are not qualified to perform the repair of this product properly and safely, you should not risk trying to do so and refer the repair to a qualified service technician.

WARNING

Lead in solder used in this product is listed by the California Health and Welfare agency as a known reproductive toxicant which may cause birth defects or other reproductive harm (California Health & Safety Code, Section 25249.5).

When servicing or handling circuit boards and other components which contain lead in solder, avoid unprotected skin contact with the solder. Also, when soldering do not inhale any smoke or fumes produced.

NOTICE

(FOR CANADIAN MODEL ONLY)

Fuse symbols (fast operating fuse) and/or (slow operating fuse) on PCB indicate that replacement parts must be of identical designation.

REMARQUE

(POUR MODÈLE CANADIEN SEULEMENT)

Les symboles de fusible (fusible de type rapide) et/ou (fusible de type lent) sur CCI indiquent que les pièces de remplacement doivent avoir la même désignation.

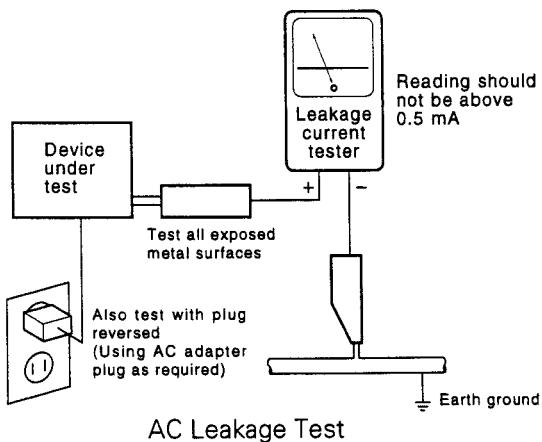
(FOR USA MODEL ONLY)

1. SAFETY PRECAUTIONS

The following check should be performed for the continued protection of the customer and service technician.

LEAKAGE CURRENT CHECK

Measure leakage current to a known earth ground (water pipe, conduit, etc.) by connecting a leakage current tester such as Simpson Model 229-2 or equivalent between the earth ground and all exposed metal parts of the appliance (input/output terminals, screwheads, metal overlays, control shaft, etc.). Plug the AC line cord of the appliance directly into a 120V AC 60 Hz outlet and turn the AC power switch on. Any current measured must not exceed 0.5 mA.



ANY MEASUREMENTS NOT WITHIN THE LIMITS OUTLINED ABOVE ARE INDICATIVE OF A POTENTIAL SHOCK HAZARD AND MUST BE CORRECTED BEFORE RETURNING THE APPLIANCE TO THE CUSTOMER.

2. PRODUCT SAFETY NOTICE

Many electrical and mechanical parts in the appliance have special safety related characteristics. These are often not evident from visual inspection nor the protection afforded by them necessarily can be obtained by using replacement components rated for voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in this Service Manual.

Electrical components having such features are identified by marking with a on the schematics and on the parts list in this Service Manual. The use of a substitute replacement component which does not have the same safety characteristics as the PIONEER recommended replacement one, shown in the parts list in this Service Manual, may create shock, fire, or other hazards.

Product Safety is continuously under review and new instructions are issued from time to time. For the latest information, always consult the current PIONEER Service Manual. A subscription to, or additional copies of, PIONEER Service Manual may be obtained at a nominal charge from PIONEER.

(FOR EUROPEAN MODEL ONLY)

VARO !
AVATTAESSA JA SUOJALUKITUS
OHITETTAESSA OLET ALTIINA
NÄKYMÄTTÖMÄLLE LASERSÄTEILYILLE.
ÄLÄ KATSO SÄTEESEEN.



LASER
Kuva 1
Lasersateilyn
varoitusmerkki

ADVERSEL:
USYNLIG LASERSTRÅLING VED ÅBNING
NÅR SIKKERHEDSAFBRYDERE ER UDE
AF FUNKTION UNGÅ UDSAETTELSE
FOR STRÅLING.

WARNING !
DEVICE INCLUDES LASER DIODE WHICH
EMITS INVISIBLE INFRARED RADIATION
WHICH IS DANGEROUS TO EYES. THERE IS
A WARNING SIGN ACCORDING TO PICTURE
1 INSIDE THE DEVICE CLOSE TO THE LASER
DIODE.



LASER
Picture 1
Warning sign for
laser radiation

VARNING !
OSYNLIG LASERSTRÅLNING NÄR DENNA
DEL ÄR ÖPPNAD OCH SPÄRREN
ÄR URKOPPLAD. BETRAKTA EJ STRÅLEN.

IMPORTANT
THIS PIONEER APPARATUS CONTAINS
LASER OF CLASS 1.
SERVICING OPERATION OF THE APPARATUS
SHOULD BE DONE BY A SPECIALLY
INSTRUCTED PERSON.

LASER DIODE CHARACTERISTICS
MAXIMUM OUTPUT POWER: 5 mw
WAVELENGTH: 780 - 785 nm

LABEL CHECK (PD-P5500)

MYXK/EA, MYXK/EB,
NVXK and MYIXK types

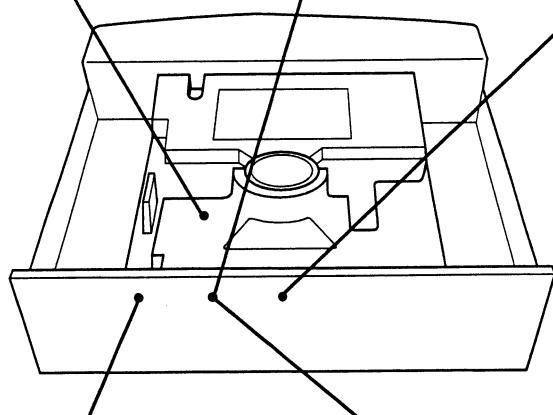
NVXK type

MYXK/EA, MYXK/EB and
MYIXK types



CAUTION
INVISIBLE LASER
RADIATION WHEN OPEN,
AVOID EXPOSURE
TO BEAM PRW1018

ADVARSEL
USYNLIG LASERSTRÅLING VED ÅBNING NÅR SIKKERHEDSAFBRYDERE
ER UDE AF FUNKTION.
UNDGÅ UDSAETTELSE FOR STRÅLING.
VORSICHT!
UNSICHTBARE LASER-STRÄMLUNG TRITT AUF, WENN DECKEL
ODER KLAPPSCHÜTZEN NICHT AUF DEM STRÄL AUSSETZEN.
VRW1094



**CLASS 1
LASER PRODUCT**
VRW-328

MYXK/EA, MYXK/EB,
NVXK and MYIXK types

VARO!
Avatettaessa ja suojalukitus ohittetessä olet altiina näkymättömälle
lasersäteilyille. Älä katso sateeseen.
VARNING!
Osynlig laserstrålning när denna del
är öppnad och spärren är urkopplad.
Betraffa ej strålen.
PRW1233

MYXK/EA, MYXK/EB and
MYIXK types

Additional Laser Caution

- Laser Interlock Mechanism**
The position of the switch (S601) for detecting loading state is detected by the system microprocessor, and the design prevents laser diode oscillation when the switch (S601) is not on CLMP terminal side (CLMP signal is OFF or high level.). Thus, the interlock will no longer function if the switch (S601) is deliberately set to CLMP terminal side (low level).
The interlock also does not function in the test mode*. Laser diode oscillation will continue, if pin 1 of M51593FP (IC101) on the PRE-AMP BOARD ASSY mounted on the pickup assembly is connected to GND, or pin 19 is connected to low level (ON), or else the terminals of Q101 are shorted to each other (fault condition).
- When the cover is opened, close viewing of the objective lens with the naked eye will cause exposure to a Class 1 laser beam.**

* Refer to page 60.

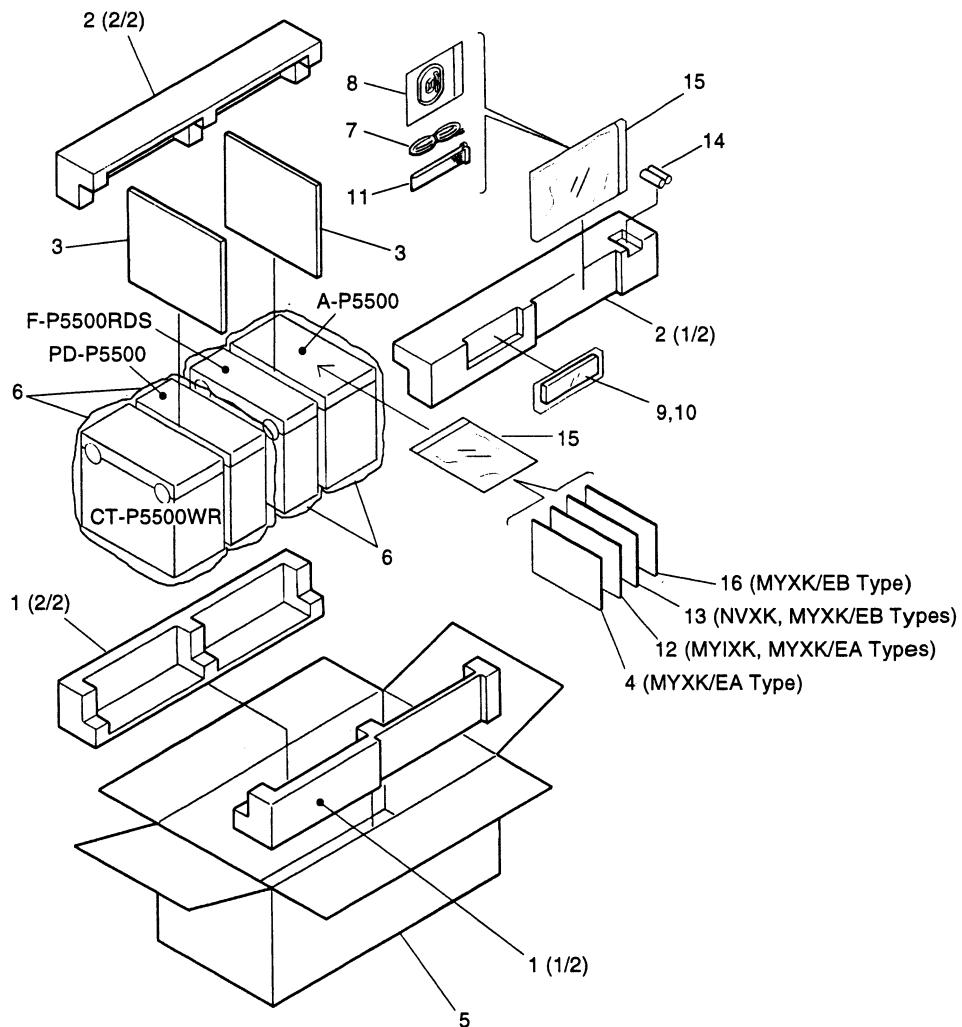
2. EXPLODED VIEWS, PACKING AND PARTS LIST

NOTES :

- Parts marked by "NSP" are generally unavailable because they are not in our Master Spare Parts List.
- The Δ mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Parts marked by "●" are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.

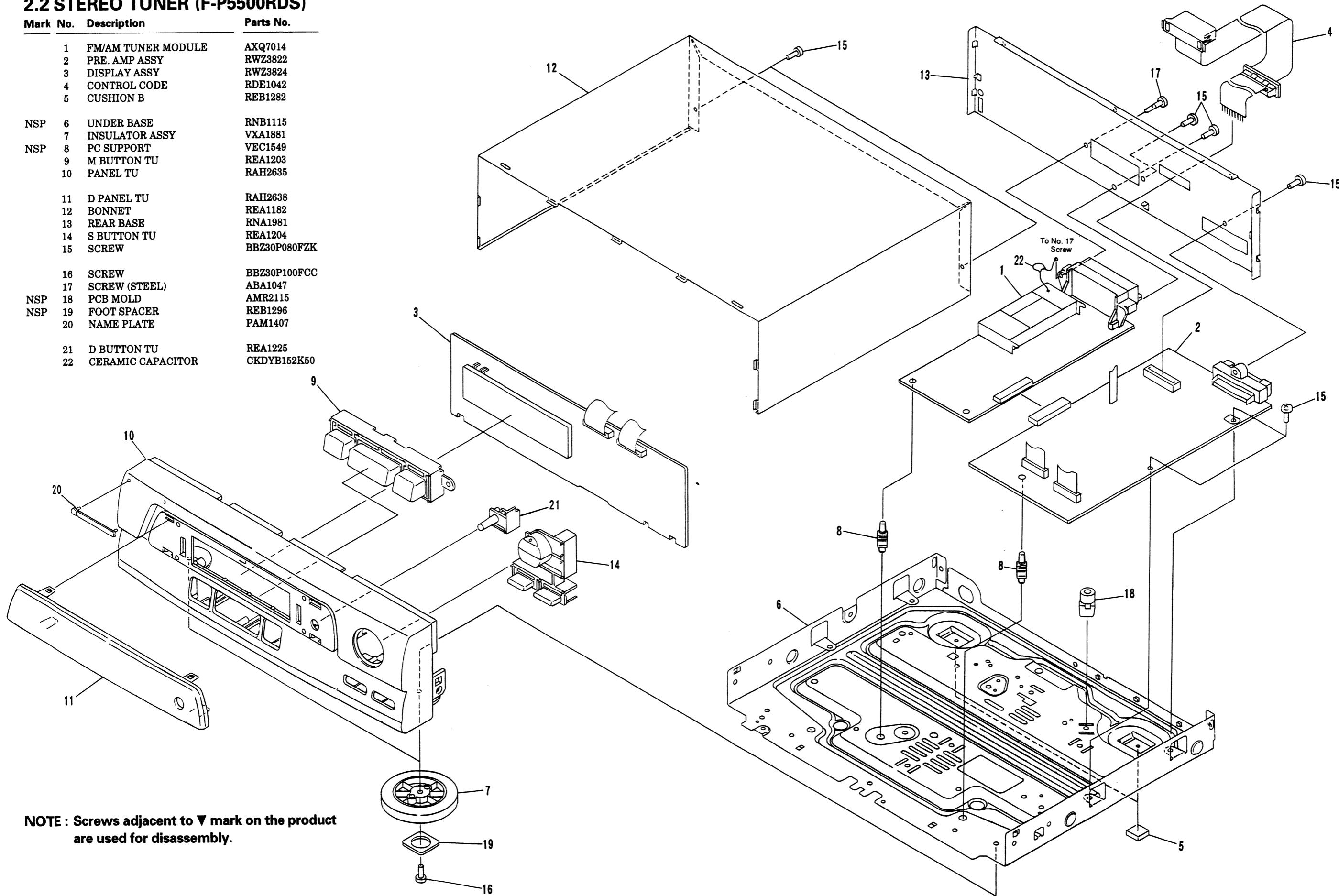
2.1 PACKING

Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
1	PAD B		RHA1190	11	CONTROL CODE		RDE1041
2	PAD T		RHA1191	12	OPERATING INSTRUCTIONS	(German/Italian)	RRD1171
3	SPACER		RHG1713			(MYIXK, MYXK/EA types)	
4	OPERATING INSTRUCTIONS (French/Dutch) (MYXK/EA type)		RRD1172	13	OPERATING INSTRUCTIONS	(English) (NVXK, MYXK/EB types)	RRB1164
5	MASTER CARTON		RHG1731	NSP	14	BATTERY (R03, AAA)	VEM-022
6	SEAT (550×550×0.5)	Z23-026		15	POLYETHYLENE BAG	(0.03×230×340)	Z21-038
7	FM ANTENNA ASSY	ADH1019					
8	LOOP ANTENNA	ATB7002		16	OPERATING INSTRUCTIONS	(French/Swedish/Spanish/Portuguese)	RRD1173
9	REMOTE CONTROL UNIT (CU-XR015)	AXD7030				(MYXK/EB type)	
10	BATTERY COVER	AZA7050					



2.2 STEREO TUNER (F-P5500RDS)

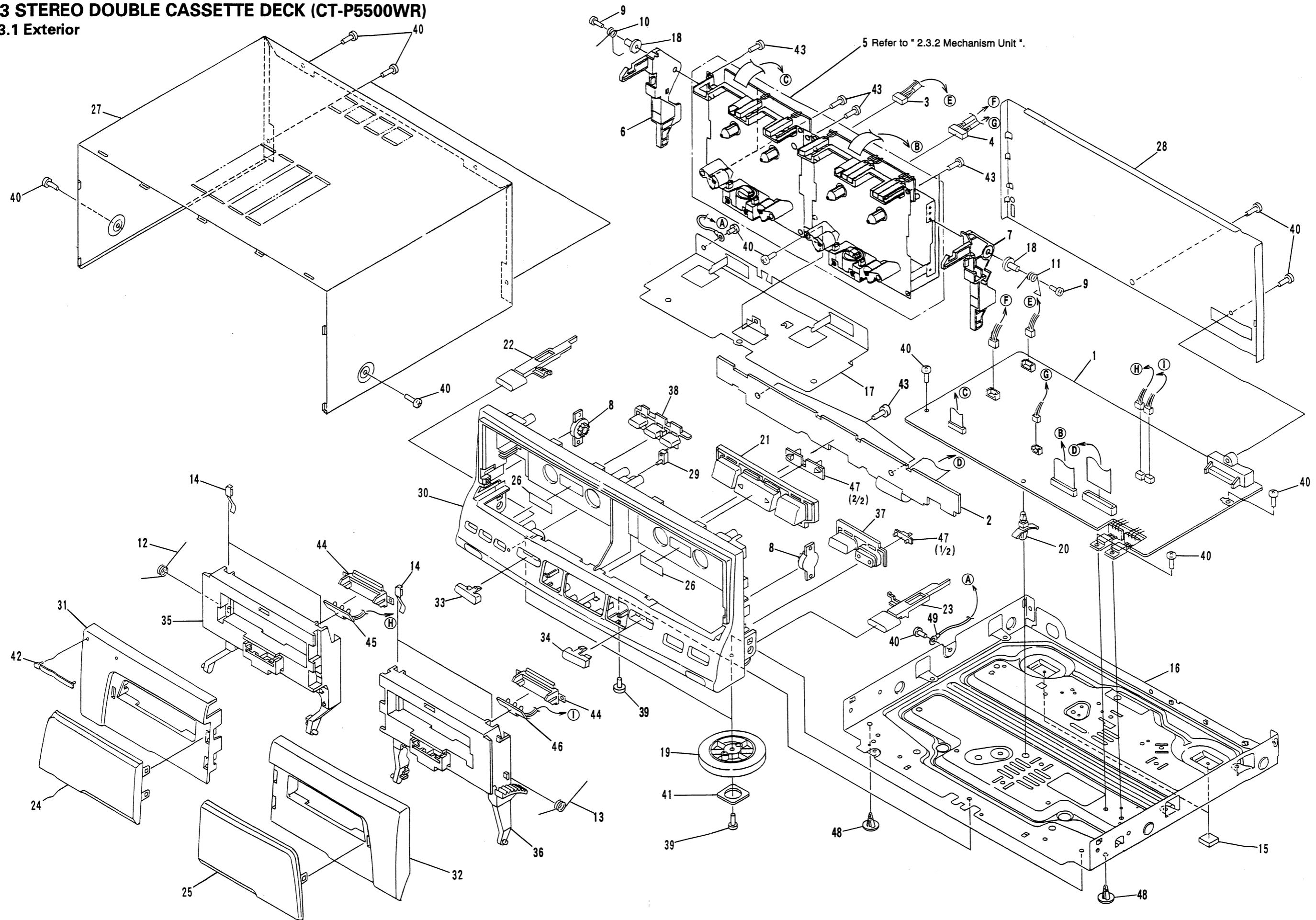
Mark No.	Description	Parts No.
1	FM/AM TUNER MODULE	AXQ7014
2	PRE. AMP ASSY	RWZ3822
3	DISPLAY ASSY	RWZ3824
4	CONTROL CODE	RDE1042
5	CUSHION B	REB1282
NSP	6 UNDER BASE	RNB1115
7	INSULATOR ASSY	VXA1881
NSP	8 PC SUPPORT	VEC1549
9	M BUTTON TU	REA1203
10	PANEL TU	RAH2635
11	D PANEL TU	RAH2638
12	BONNET	REA1182
13	REAR BASE	RNA1981
14	S BUTTON TU	REA1204
15	SCREW	BBZ30P080FZK
16	SCREW	BBZ30P100FCC
17	SCREW (STEEL)	ABA1047
NSP	18 PCB MOLD	AMR2115
NSP	19 FOOT SPACER	REB1296
20	NAME PLATE	PAM1407
21	D BUTTON TU	REA1225
22	CERAMIC CAPACITOR	CKDYB152K50



XS-P5500

2.3 STEREO DOUBLE CASSETTE DECK (CT-P5500WR)

2.3.1 Exterior



Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
NSP	1	TC. MAIN ASSY	RWZ3828	NSP	41	FOOT SPACER	REB1296
	2	TC. FUNC ASSY	RWZ3830		42	NAME PLATE	PAM1407
	3	CONNECTOR 3P	RKP1716		43	SCREW	BPZ30P080FMC
	4	CONNECTOR 5P	RKP1715		44	SPOT LENS	RNK1847
	5	MECHANISM UNIT	RYM1248	NSP	45	TC HALF1 ASSY	RWZ3836
	6	EJECT ARM (L)	AMR7024	NSP	46	TC HALF2 ASSY	RWZ3838
	7	EJECT ARM (R)	AMR7025		47	PLAY LENS	RNK2158
	8	DAMPER ASSY	AXA7021		48	HOLDER	AEC1534
	9	SCREW	BSZ20P120FMC	NSP	49	LEAD WIRE (EARTH)	DE007VE0
	10	SPRING (L)	ABH7028				
	11	SPRING (R)	ABH7029				
	12	DOOR SPRING (L)	RBH1432				
	13	DOOR SPRING (R)	RBH1433				
	14	SPRING	RBK1004				
	15	CUSHION B	REB1282				
NSP	16	UNDER BASE	RNB1115				
NSP	17	SHIELD PLATE	RNE1875				
	18	COLLAR	RNK2135				
	19	INSULATOR ASSY	VXA1881				
NSP	20	PC SUPPORT	VEC1549				
	21	M BUTTON TC	REA1211				
	22	EJECT KNOB L	RAC2032				
	23	EJECT KNOB R	RAC2033				
	24	D. LENS L	RAH2640				
	25	D. LENS R	RAH2641				
	26	INDICATOR	REE1019				
	27	BONNET	REA1181				
	28	REAR BASE	RNA1984				
	29	LED LENS	RNK2128				
NSP	30	PANEL TC	RAH2709				
	31	P. PANEL L	REA1226				
	32	P. PANEL R	REA1227				
	33	AZIMUTH COVER L	REA1229				
	34	AZIMUTH COVER R	REA1228				
	35	POCKET L	RNK2190				
	36	POCKET R	RNK2191				
	37	1 · 2 BUTTON TC	REA1212				
	38	R BUTTON TC	REA1213				
	39	SCREW	BBZ30P100FCC				
	40	SCREW	BBZ30P080FZK				

XS-P5500

2.3.2 Mechanism Unit

■ Mechanism unit I and II (1/2)

Mark	No.	Description	Parts No.
------	-----	-------------	-----------

NSP	1	ASSY MOTOR	RXM1080
	2	JUMPER WIRE	RDD1012
	3	BRACKET MOTOR	RNE1830
	4	SPACER	RNK1822
	5	SCREW	RBA1100
	6	SCREW	PCZ20P040FMC

■ Mechanism unit I and II (2/2)

Mark	No.	Description	Parts No.
------	-----	-------------	-----------

NSP	1	ASSY HOLDER HEAD (*1)	RXA1400
	1	ASSY HOLDER HEAD (*2)	RXA1664
	2	FRAME HEAD	RNK1715
	3	LEVER HEAD	RNK1716
	4	SPRING AZIMUTH	RBK1006
	5	ASSY ARM ASSIST	RXA1401
	6	GEAR ARM HEAD	RNK1717
	7	SPRING CASSETTE	RBK1039
	8	EJECT LOCK	RNK1718
	9	CAP REEL	RNK1719
	10	ASSY PINCH ARM L	RXA1403
	11	CHASSIS HEAD	RNE1437
	12	ASSY PINCH ARM R	RXA1404
	13	ARM PLAY L	RNK1866
	14	GEAR PLAY	RNK1867
	15	ARM PLAY R	RNK1868
	16	CHASSIS OS	RXA1411
	17	ASSY SUB REEL L	RXA1407
	18	SOLENOID	RXP1020
	19	WIRE	RDC1006
	20	ARM RVS	RNK1721
	21	GEAR FF	RNK1723
	22	ASSY ARM FR	RXA1412
	23	ASSY PULLEY FR	RXA1413
	24	BELT FR	REB1292
	25	METAL	RNG1048
	26	ASSY FLYWHEEL L	RXA1690
	27	METAL	RNG1005
	28	ARM BRAKE	RNK1724
	29	ASSY SUB REEL R	RXA1408
	30	ARM TRIGER	RNK1722
	31	GEAR CAM	RNK1725
	32	METAL	RNG1049
	33	ASSY FLYWHEEL R	RXA1691
	34	METAL	RNG1004
	35	
	36	
	37	P. C. BOARD	RNP1610
	38	SWITCH MODE	RSN1020
	39	SWITCH (LEAF)	RSN1019
	40	HALL IC	DN6851A

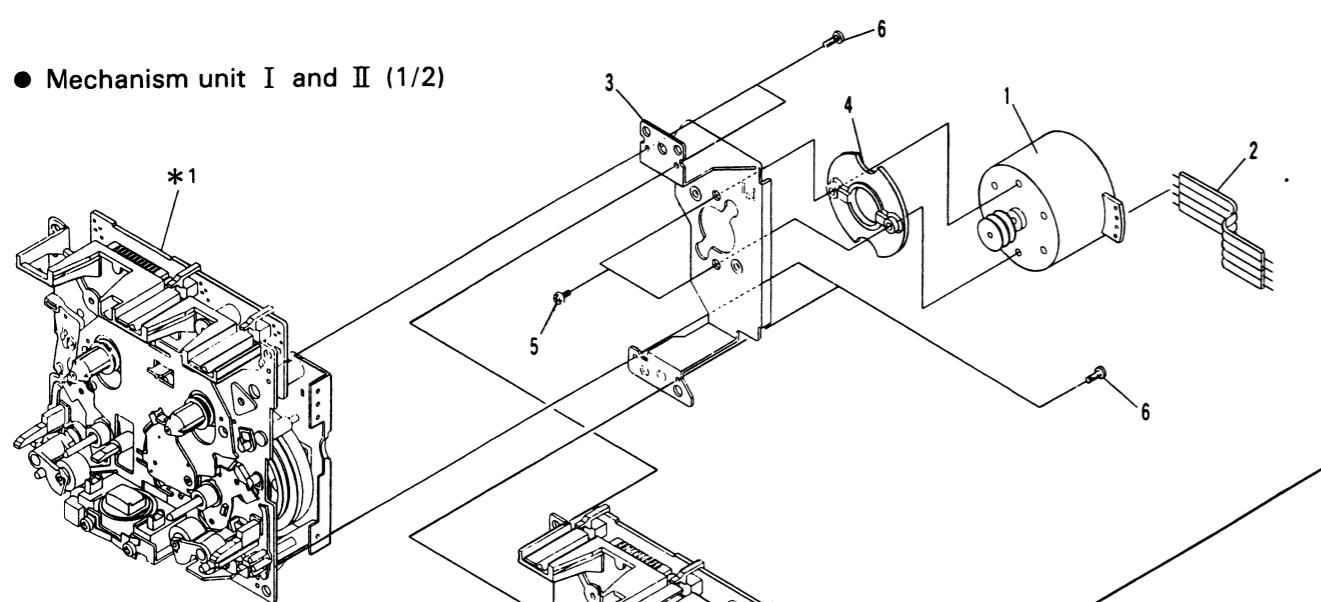
Mark	No.	Description	Parts No.
------	-----	-------------	-----------

NSP	41	BRACKET FW (*1)	RNE1854
	41	BRACKET FW (*2)	RNE1438
	42	PULLEY (*1 only)	RNK2132
	43	
	44	BELT FW (*1 only)	REB1291
	45	BELT MAIN (* 1)	REB1290
	45	BELT MAIN (* 2)	REB1289
	46	P. C. BOARD	RNP1348
	47	HOUSING (*1)	RKP1396
	47	HOUSING (*2)	RKP1397
	48	CONNECTOR (*1)	RKP1713
	48	CONNECTOR (*2)	RKP1714
	49	ASSY HOLDER (*1 only)	RXA1689
	50	
	51	SPRING	RBH1282
	52	SPRING	RBH1283
	53	SPRING	RBH1284
	54	SPRING	RBH1286
	55	SPRING	RBH1288
	56	SPRING	RBH1291
	57	SPRING	RBH1285
	58	SPRING	RBH1287
	59	SPRING	RBH1289
	60	SPRING	RBH1290
	61	SPRING	RBH1292
	62	FWP SP (SPRING)	RBH1061
	63	SPRING	RBH1325
	64	SCREW (For AZIMUTH)	RBA1023
	65	SCREW	RBA1027
	66	SCREW	RBA1030
	67	SCREW	PCZ20P040FMC
	68	SCREW	RBA1093
	69	SCREW	RBA1094
	70	WASHER	RBF1046
	71	WASHER	WA26D047D013
	72	WASHER (*1 only)	WT13D030D025
	73	SCREW (*1 only)	RBA1118

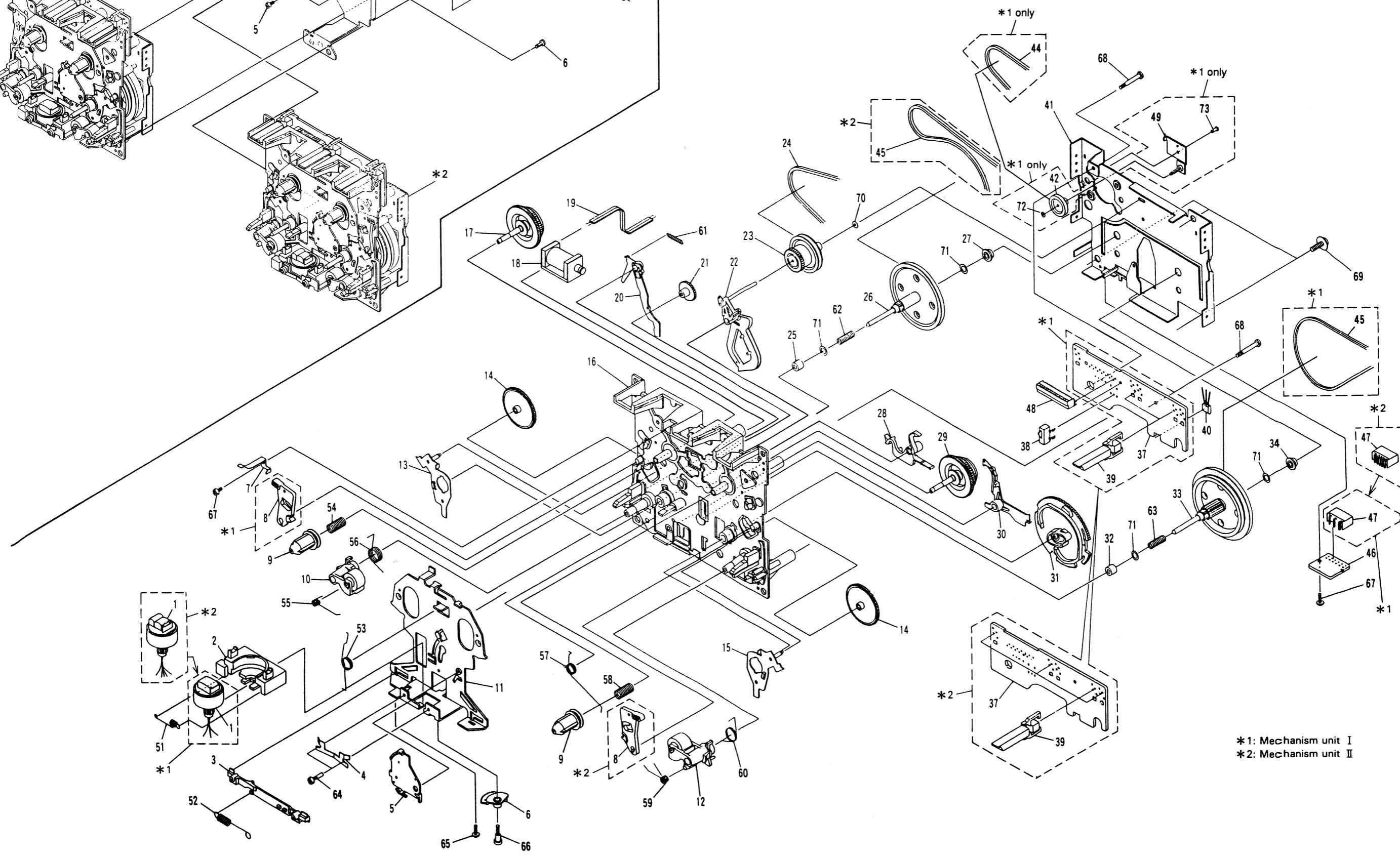
Note) *1: Mechanism Unit I

*2: Mechanism Unit II

- Mechanism unit I and II (1/2)



- Mechanism unit I and II (2/2)

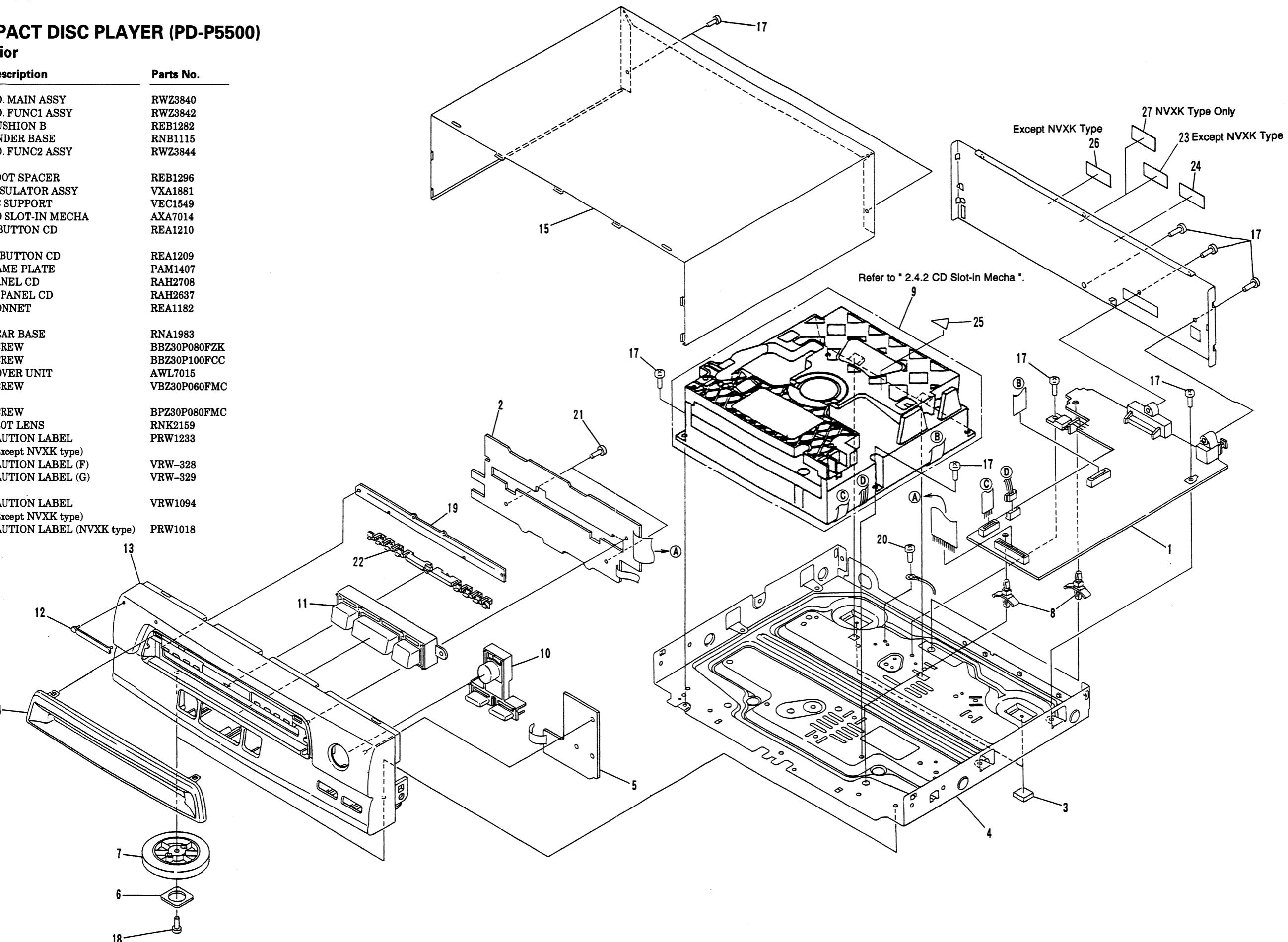


*1: Mechanism unit I
*2: Mechanism unit II

2.4 COMPACT DISC PLAYER (PD-P5500)

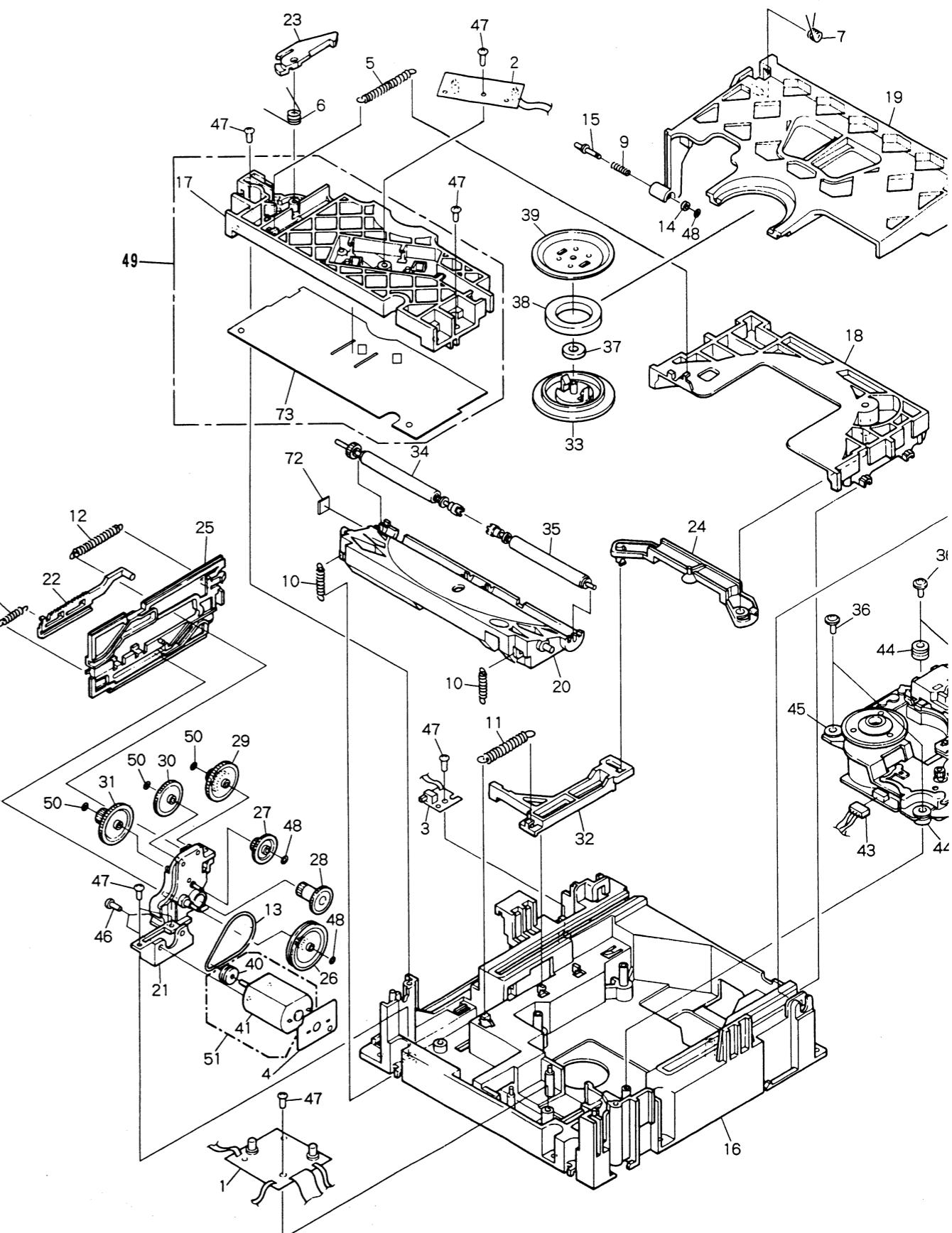
2.4.1 Exterior

Mark No.	Description	Parts No.
1	CD. MAIN ASSY	RWZ3840
NSP 2	CD. FUNC1 ASSY	RWZ3842
3	CUSHION B	REB1282
NSP 4	UNDER BASE	RNB1115
NSP 5	CD. FUNC2 ASSY	RWZ3844
NSP 6	FOOT SPACER	REB1296
7	INSULATOR ASSY	VXA1881
NSP 8	PC SUPPORT	VEC1549
NSP 9	CD SLOT-IN MECHA	AXA7014
10	S BUTTON CD	REA1210
11	M BUTTON CD	REA1209
12	NAME PLATE	PAM1407
13	PANEL CD	RAH2708
14	D. PANEL CD	RAH2637
15	BONNET	REA1182
16	REAR BASE	RNA1983
17	SCREW	BBZ30P080FZK
18	SCREW	BBZ30P100FCC
19	COVER UNIT	AWL7015
20	SCREW	VBZ30P060FMC
21	SCREW	BPZ30P080FMC
22	SLOT LENS	RNK2159
23	CAUTION LABEL (Except NVXK type)	PRW1233
NSP 24	CAUTION LABEL (F)	VRW-328
25	CAUTION LABEL (G)	VRW-329
26	CAUTION LABEL (Except NVXK type)	VRW1094
27	CAUTION LABEL (NVXK type)	PRW1018

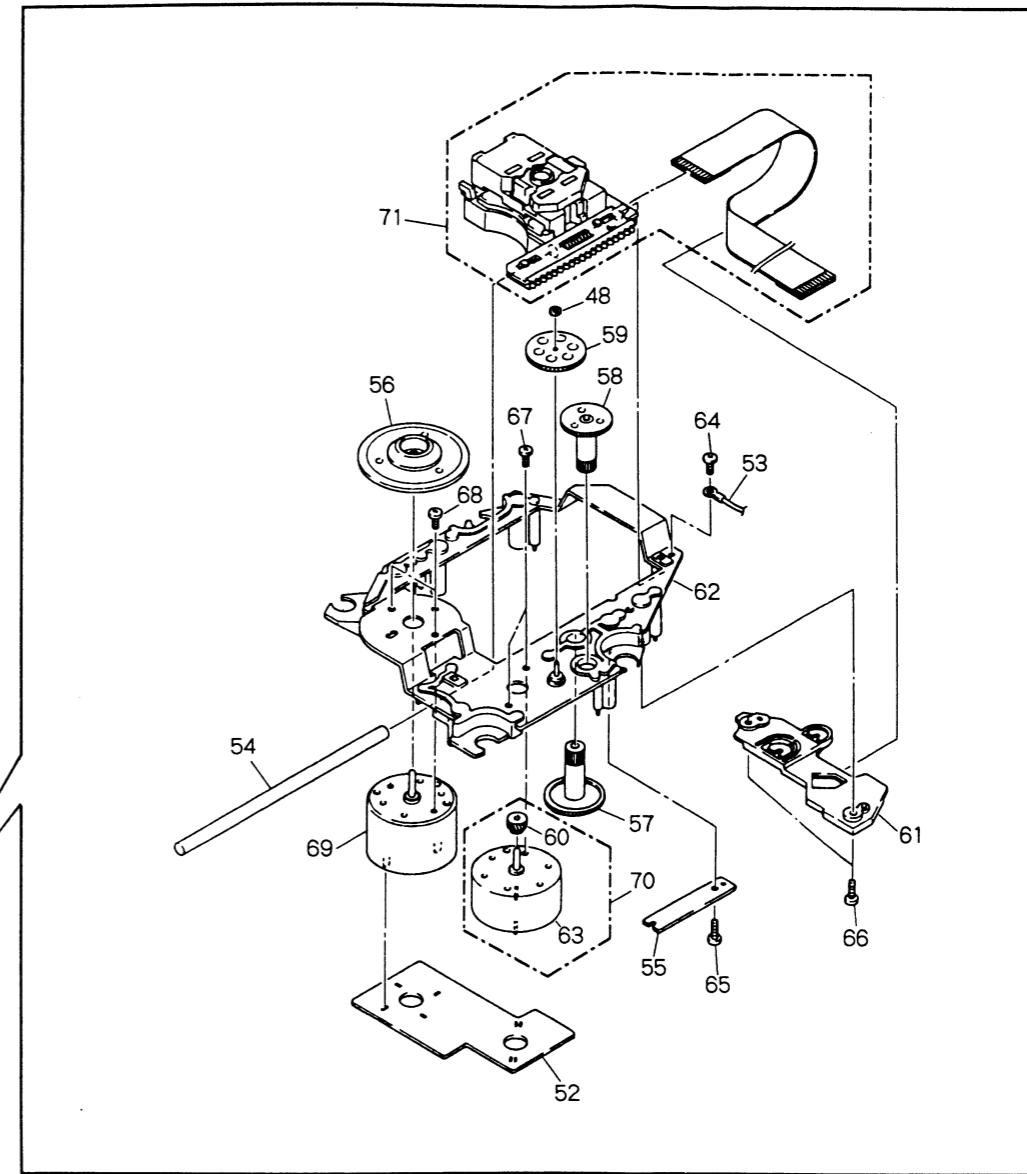
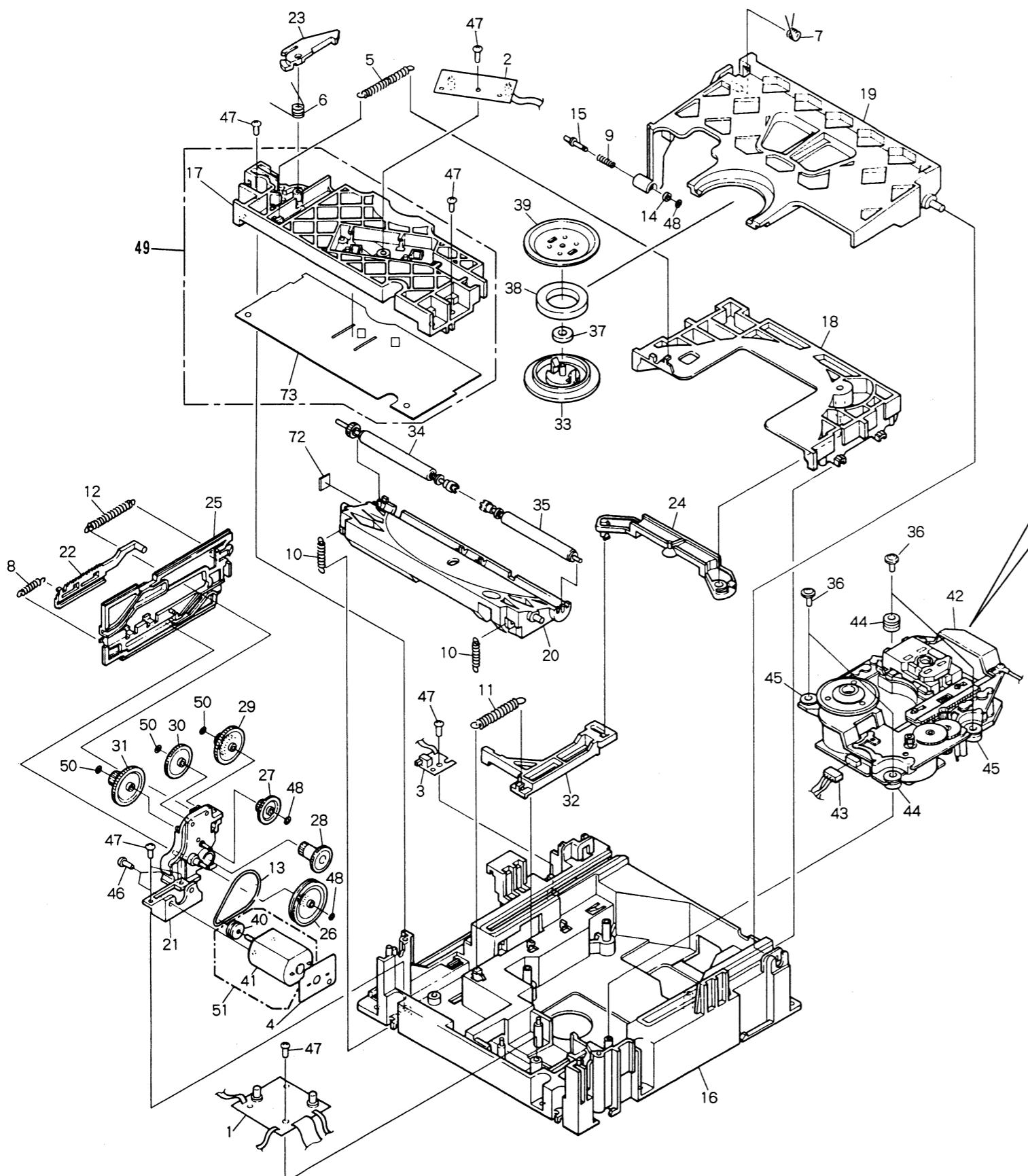


2.4.2 CD Slot-in Mecha

Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
NSP	1	SENSOR PCB ASSY	AWZ7328		51	MOTOR ASSY	AEA7000
NSP	2	LED PCB ASSY	AWZ7329		52	MECHANISM BOARD ASSY	PWX1192
NSP	3	SW PCB ASSY	AWZ7330		53	GROUND LEAD UNIT	PDF1104
NSP	4	MOTOR PCB ASSY	AWZ7331		54	GUIDE BAR	PLA1094
	5	SPRING	ABH7035		55	GEAR STOPPER	PNB1303
	6	ROCK LEVER SPRING	ABH7019		56	DISC TABLE	PNW1608
	7	SLAMP SPRING	ABH7020		57	GEAR 1	PNW2052
	8	RACK SPRING	ABH7021		58	GEAR 2	PNW2053
	9	P SPRING	ABH7022		59	GEAR 3	PNW2054
	10	ROLLER HOLDER SPRING	ABH7023		60	PINION GEAR	PNW2055
	11	SPRING B	ABH7024		61	PWB HOLDER	PNW2057
	12	CAM PLATE SPRING	ABH7025	NSP	62	CARRIAGE BASE	PNW2445
	13	BELT A	AEB7012		63	DC MOTOR (CARRIAGE)	PXM1027
	14	WASHER	AEB7018		64	SCREW	BBZ26P060FMC
	15	PIN	ALA7005		65	SCREW	BPZ20P060FMC
	16	MECHANISM BASE	ANW7022		66	SCREW	BPZ26P100FMC
	17	DISC PLATE	ANW7023		67	SCREW	JFZ17P025FZK
	18	CENTERING PLATE	ANW7024		68	SCREW	JFZ20P030FNI
	19	CLAMPER HOLDER	ANW7025		69	DC MOTOR ASSY (SPINDLE)	PEA1235
	20	ROLLER HOLDER	ANW7078		70	DC MOTOR ASSY (CARRIAGE)	PEA1246
	21	GEAR HOLDER	ANW7027		71	PICKUP ASSY	PEA1291
	22	RACK	ANW7028	NSP	72	AV SHEET	AEB7021
	23	ROCK LEVER	ANW7029		73	DISC PLATE SHEET	AEB7035
	24	STARTING LEVER	ANW7030		OIL (GREEN)	GEM1015	
	25	CAM PLATE	ANW7031				
	26	GEAR PULLEY	ANW7032				
	27	GEAR A	ANW7033				
	28	GEAR B	ANW7034				
	29	GEAR C	ANW7035				
	30	GEAR D	ANW7036				
	31	DRIVE GEAR	ANW7037				
	32	STARTING PLATE	ANW7038				
	33	CLAMPER	ANW7083				
	34	ROLLER ASSY L	AXA7019				
	35	ROLLER ASSY R	AXA7020				
NSP	36	SCREW	PBA1048				
	37	H SPACER	PEB1249				
	38	CLAMP MAGNET	PMF1014				
	39	YODE	PNB1216				
	40	MOTOR PULLEY	PNW1634				
NSP	41	MOTOR	PXM1002				
NSP	42	SERVO MECHA ASSY SL	AXA7017				
	43	CONNECTOR ASSY 4P	PDE1238				
	44	FLOAT RUBBER	PEB1014				
	45	FLOAT RUBBER	PEB1132				
	46	SCREW	BMZ20P040FMC				
	47	SCREW	PPZ30P060FMC				
	48	WASHER	WT12D032D025				
	49	DISC PLATE ASSY	AEA7003				
	50	WASHER	WT17D034D025				

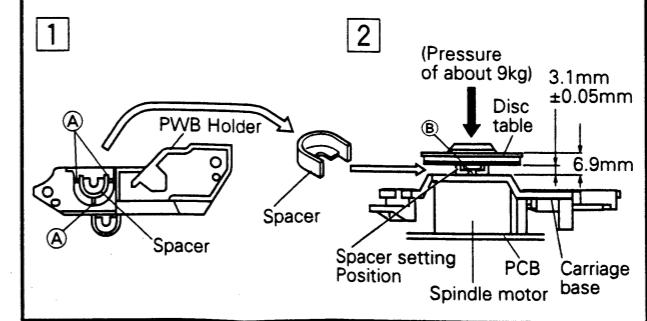


Servo Mechanism Assy SL



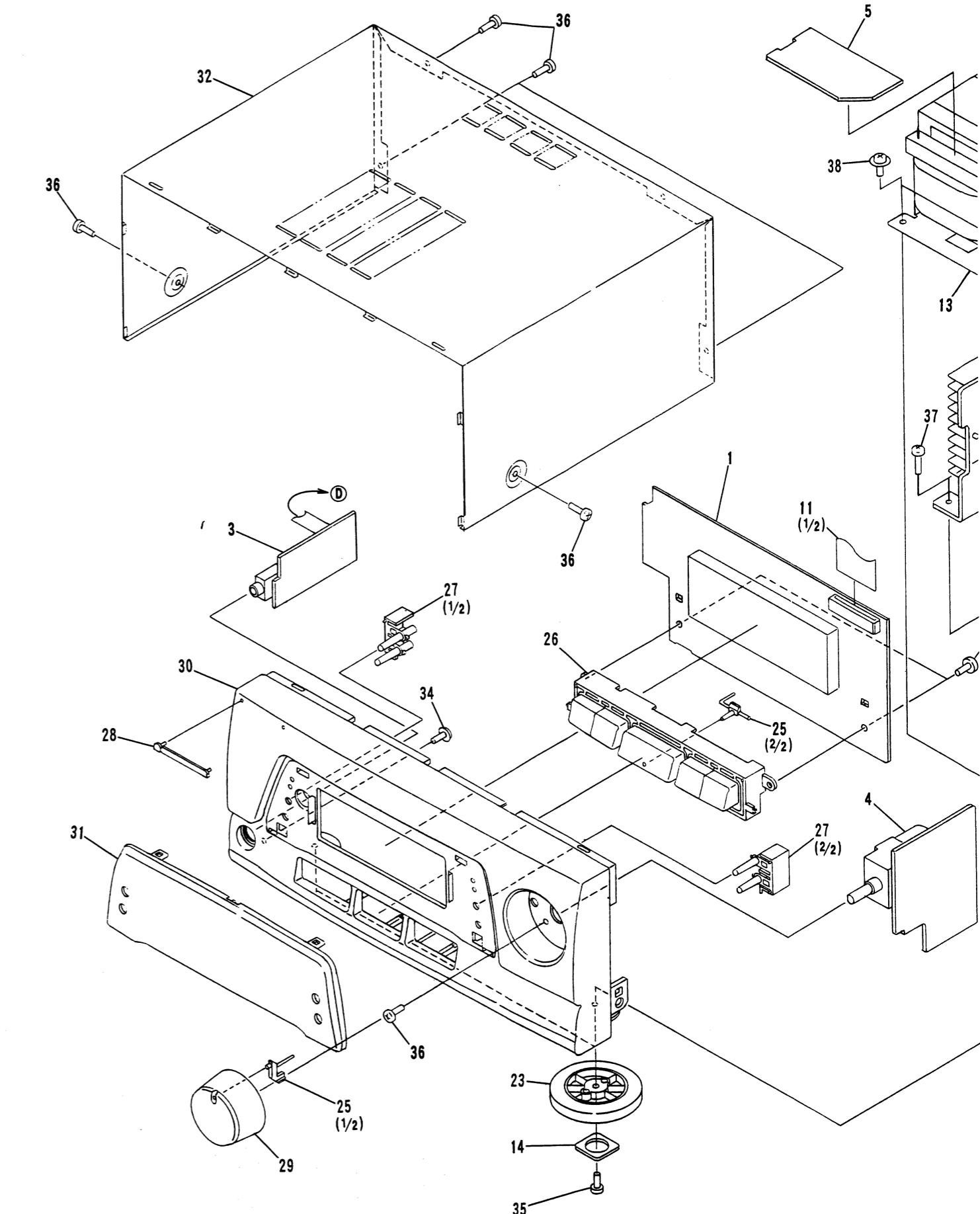
● How to install the disc table

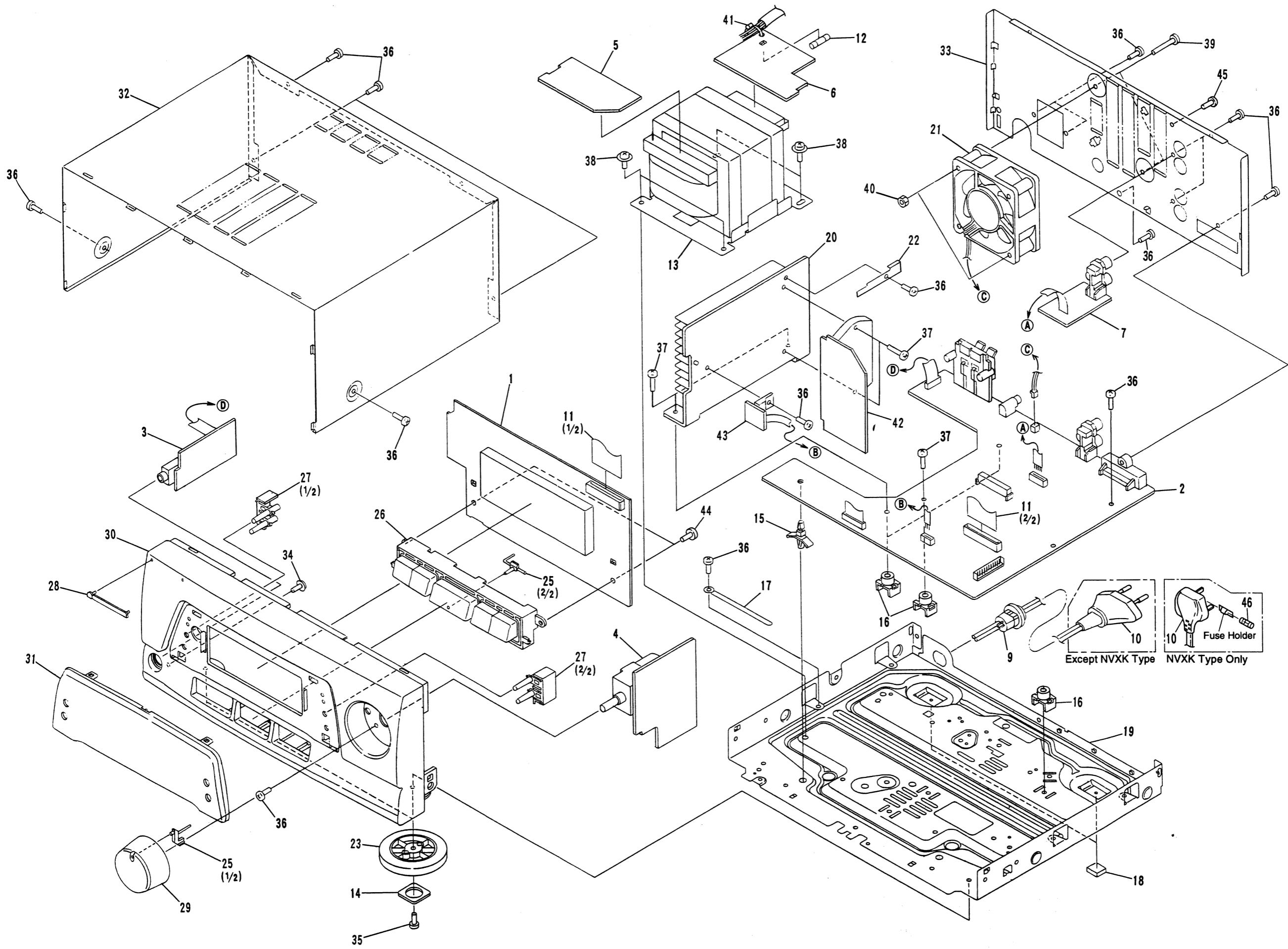
- ① Use nipper or other tool to cut the three sections marked Ⓐ figure ①. Then remove the spacer.
- ② While supporting the spindle motor shaft with the stopper, put spacer on top of the motor base (angled so it doesn't touch section Ⓑ), and stick the disc table on top (takes about 9kg pressure). Take off the spacer.



2.5 STEREO AMPLIFIER (A-P5500)

Mark No.	Description	Parts No.	Mark No.	Description	Parts No.
1	DISPLAY ASSY	RWZ3820	41	BINDER	ZCA-SKB90BK
2	MAIN ASSY	RWZ3805	42	POWER AMP ASSY	RWZ3811
NSP 3	H. P ASSY	RWZ3816	43	REG. ASSY	RWZ3814
4	VR ASSY	RWZ3807	44	SCREW	BPZ30P080FMC
5	CONNECT ASSY	RWZ3809	45	SCREW	BSZ30P080FZK
NSP 6	AC CONNECT ASSY	RWZ3818	▲ 46	FUSE (T5A) (NVXK type only)	REK1003
7	REC. OUT ASSY	RWZ3852			
8				
9	STRAIN RELIEF	CM-22B			
△ 10	AC POWER CORD (Except NVXK type)	ADG1138			
△ 10	AC POWER CORD (NVXK type)	PDG1055			
△ 11	25P F·F·C/30V	RDD1333			
△ 12	FUSE (T1.25A, FU2001)	AEK1055			
△ 13	POWER TRANSFORMER (T1)	RTT1306			
NSP 14	FOOT SPACER	REB1296			
NSP 15	PC SUPPORT	VEC1549			
NSP 16	PCB MOLD	AMR2115			
NSP 17	CORD STOPPER	DNF1128			
18	CUSHION B	REB1282			
NSP 19	UNDER BASE	RNB1115			
NSP 20	HEAT SINK	RNE1862			
21	DC FAN MOTOR	AXM7003			
22	SPRING	RBK1071			
23	INSULATOR ASSY	VXA1881			
24				
25	STA. LENS	AAK7118			
26	BUTTON AM	RAC2031			
27	TIMER BUTTON	RAC2107			
28	NAME PLATE	PAM1407			
29	VR KNOB	RNK2160			
30	PANEL AM	RAH2636			
31	D. PANEL AM	RAH2710			
32	BONNET	REA1181			
33	REAR BASE (Except NVXK type)	RNA1982			
33	REAR BASE (NVXK type)	RNA1985			
34	SCREW (WITH WASHER)	ABA1005			
35	SCREW	BBZ30P100FCC			
36	SCREW	BBZ30P080FZK			
37	SCREW	BBZ30P160FMC			
38	SCREW	ASZ40P060FMC			
39	SCREW	BMZ40P300FZK			
40	NUT	NB40FMC			

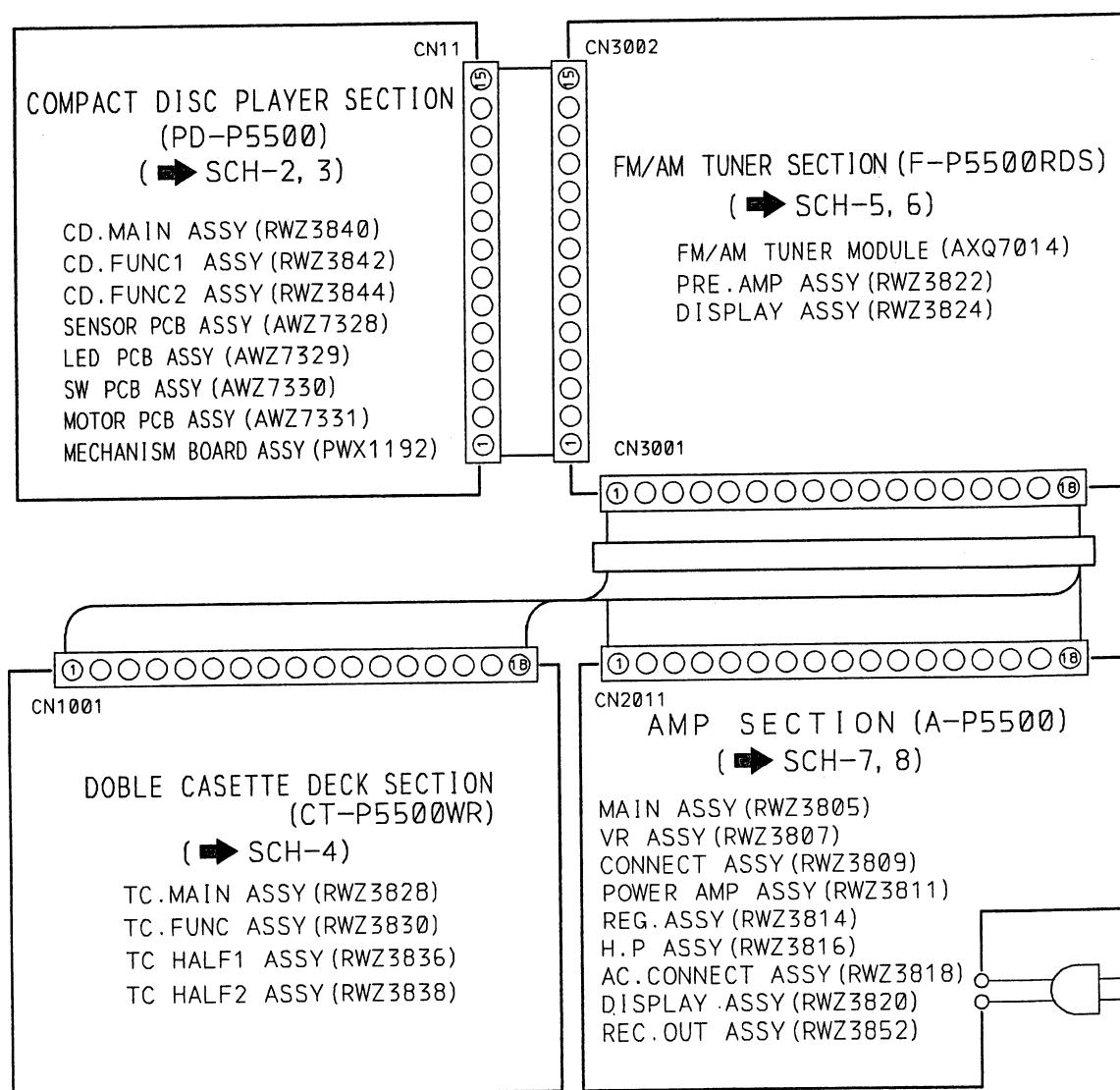




3. SCHEMATIC AND PCB CONNECTION DIAGRAMS

3.1 OVERALL SCHEMATIC DIAGRAM

SCH-1



NOTE FOR SCHEMATIC DIAGRAMS

(TYPE 1A)

- When ordering service parts, be sure to refer to "PARTS LIST of EXPLODED VIEWS" or "PCB PARTS LIST".
- Since these are basic circuits, some parts of them or the values of some components may be changed for improvement.
- RESISTORS:**
Unit: k:Ω, M:MΩ, or Ω unless otherwise noted.
Rated power: 1/4W, 1/6W, 1/8W, 1/10W unless otherwise noted.
Tolerance: (F): ±1%, (G): ±2%, (K): ±10%, (M): ±20% or ±5% unless otherwise noted.
- CAPACITORS:**
Unit: p:pF or μF unless otherwise noted.
Ratings: capacitor (μF) / voltage (V) unless otherwise noted.
Rated voltage: 50V except for electrolytic capacitors.
- COILS:**
Unit: m:mH or μH unless otherwise noted.
- VOLTAGE AND CURRENT:**
 - : Signal voltage at rated output.
 - or → V : DC voltage (V) at no input signal unless otherwise noted.
Value in () is DC voltage at rated power.
 - ↔ mA or ↔ mA : DC current at no input signal unless otherwise noted.
- OTHERS:**
 - ◎ or ● : Adjusting point.
 - ◀ : Measurement point.
 - The ▲ mark found on some component parts indicates the importance of the safety factor of the parts. Therefore, when replacing, be sure to use parts of identical designation.

8. SCH-□ ON THE SCHEMATIC DIAGRAM:

- SCH-□ indicates the drawing number of the schematic diagram. (SCH stands for schematic diagram.)

9. SWITCHES (Underline indicates switch position):

F-P5500RDS	PD-P5500
DISPLAY ASSY	CD. FUNC1 ASSY
S3301 AM	S502 ►
S3302 FM	S503 ▲
S3303 STATION	S505 ► PLAY
S3304 FUNCTION	S506 ■ STOP
S3305 DISPLAY/RDS	CD. FUNC2 ASSY
S3306 STEREO/MONO	S501 ▲ EJECT
S3307 DOWN	S504 RANDOM
S3308 UP	S507 PGM/EDIT
S3309 STATION MEMORY	

A-P5500	CT-P5500WR
DISPLAY ASSY	TC. FUNC ASSY
S2501 + UP	S1901 DOLBY NR ON/OFF
S2502 - DOWN (DEMO)	S1902 ASES/COPY
S2503 SLEEP	S1903 REC/PAUSE
S2504 ST. WIDE	S1904 ▲ REW
S2505 POWER STANDBY/ON	S1905 ► FF
S2506 P. BASS	S1906 ▲ REV
S2507 SFC MODE	S1907 ► FWD
S2508 TIMER REC	S1908 DECK I/II SELECTOR
S2509 WAKE-UP	S1909 ■ STOP

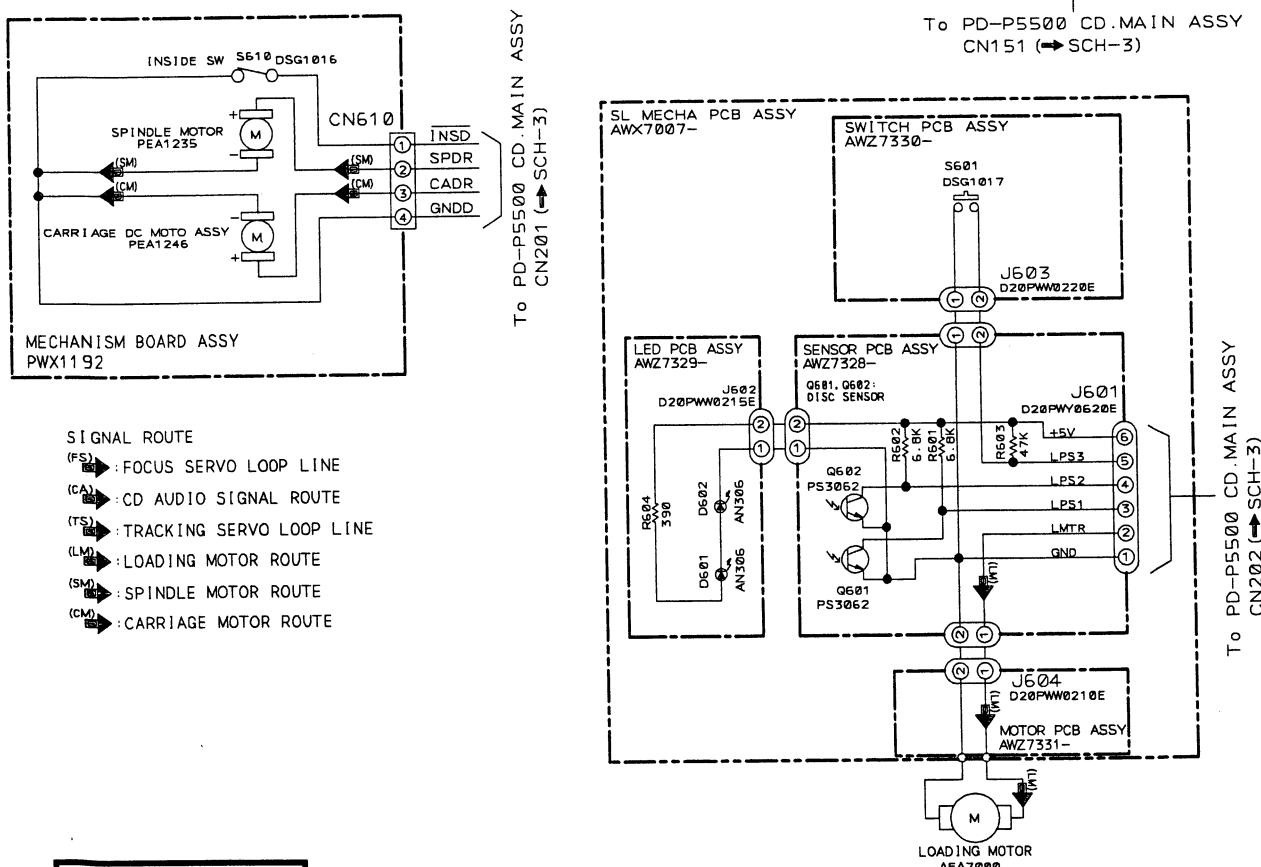
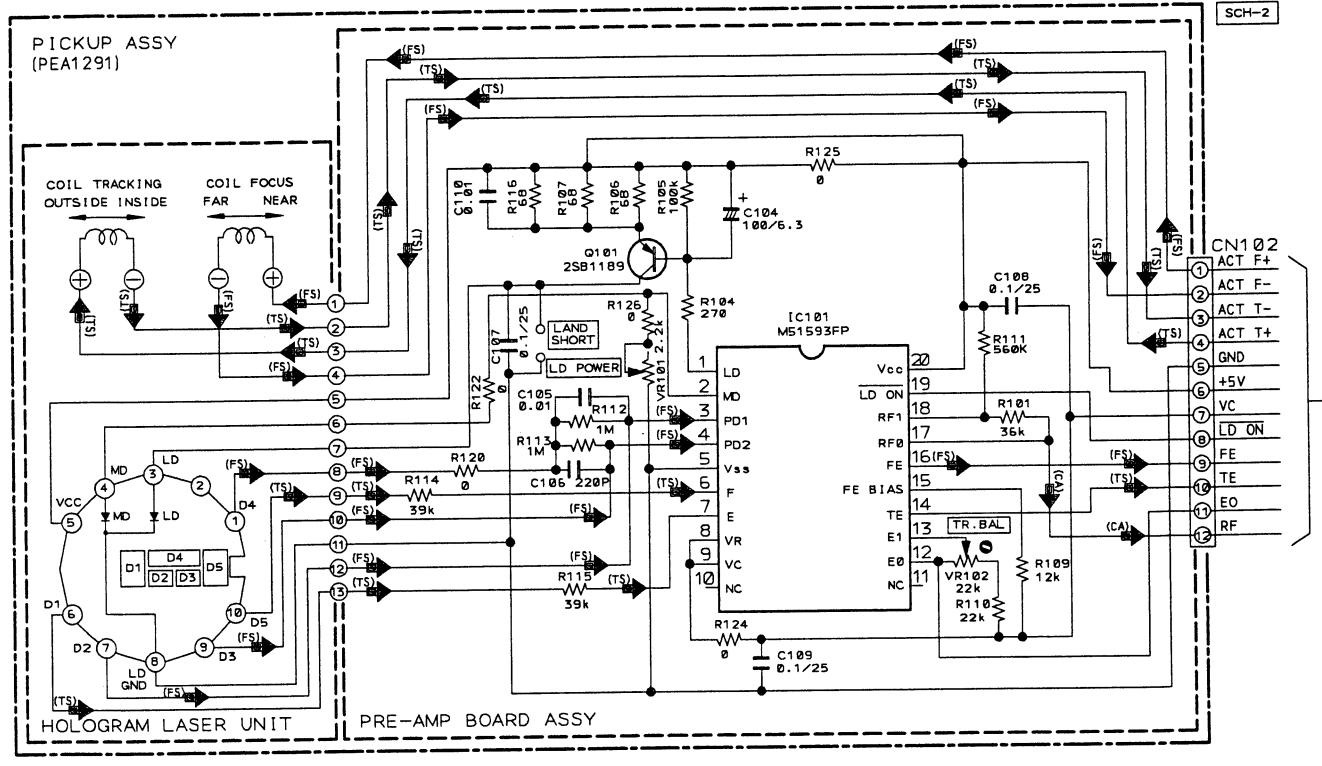
SCH-1

OVERALL SCHEMATIC DIAGRAM

XS-P5500

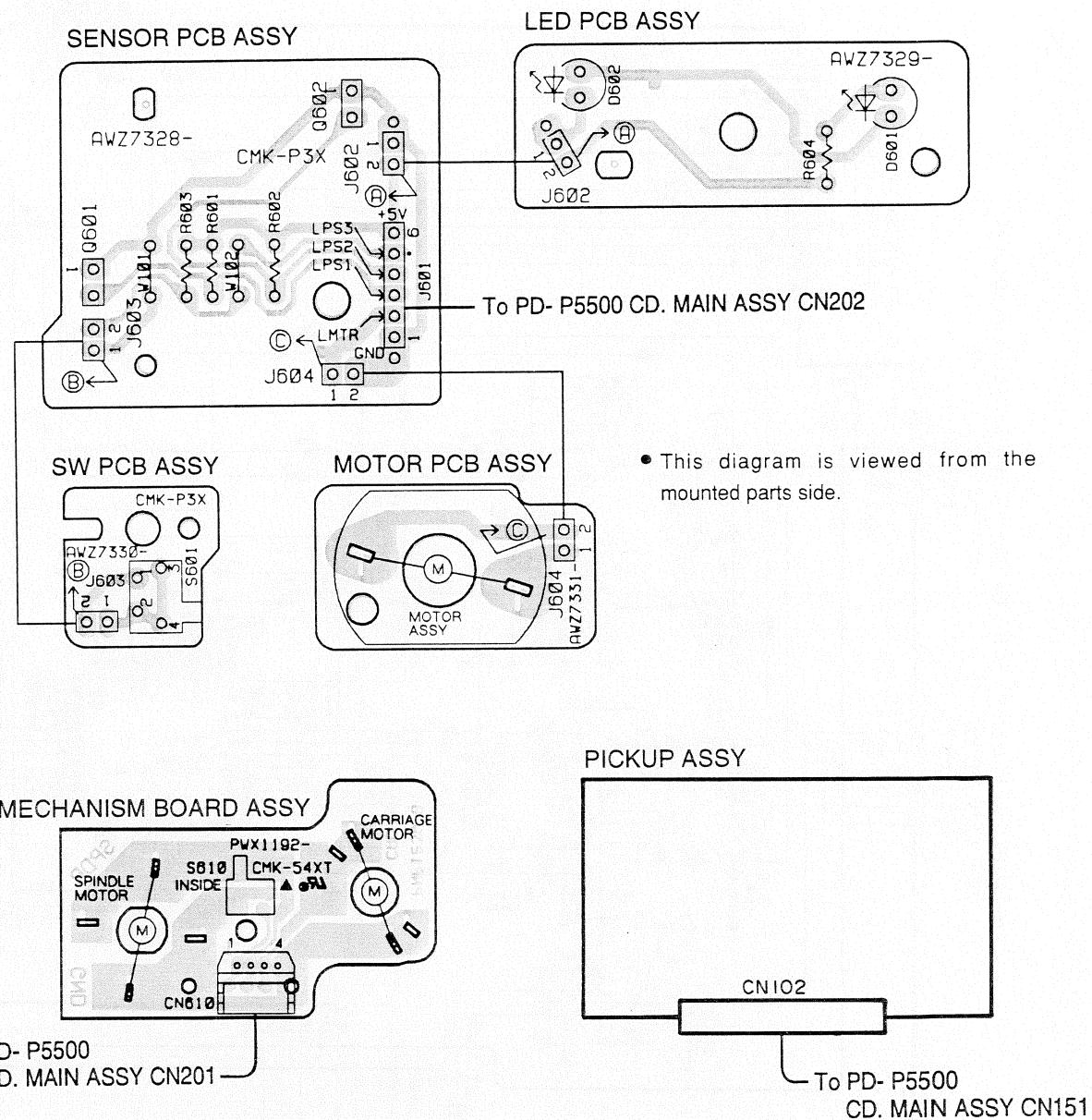
3.2 COMPACT DISC PLAYER (PD-P5500)

■ SENSOR PCB Assy, LED PCB Assy, SW PCB Assy, MOTOR PCB Assy, MECHANISM BOARD Assy and PICKUP Assy



SCH-2

SENSOR PCB Assy, LED PCB Assy, SW PCB Assy, MOTOR PCB Assy, MECHANISM BOARD Assy, PICKUP Assy (PD-P5500)

**NOTE FOR PCB DIAGRAMS:**

- Part numbers in PCB diagrams match those in the schematic diagrams.
- A comparison between the main parts of PCB and schematic diagrams is shown below.

Symbol in PCB Diagrams	Symbol in Schematic Diagrams	Part Name
		Transistor
		Transistor with resistor
		Field effect transistor
		Resistor array
		3-terminal regulator

NOTE FOR PCB DIAGRAMS:

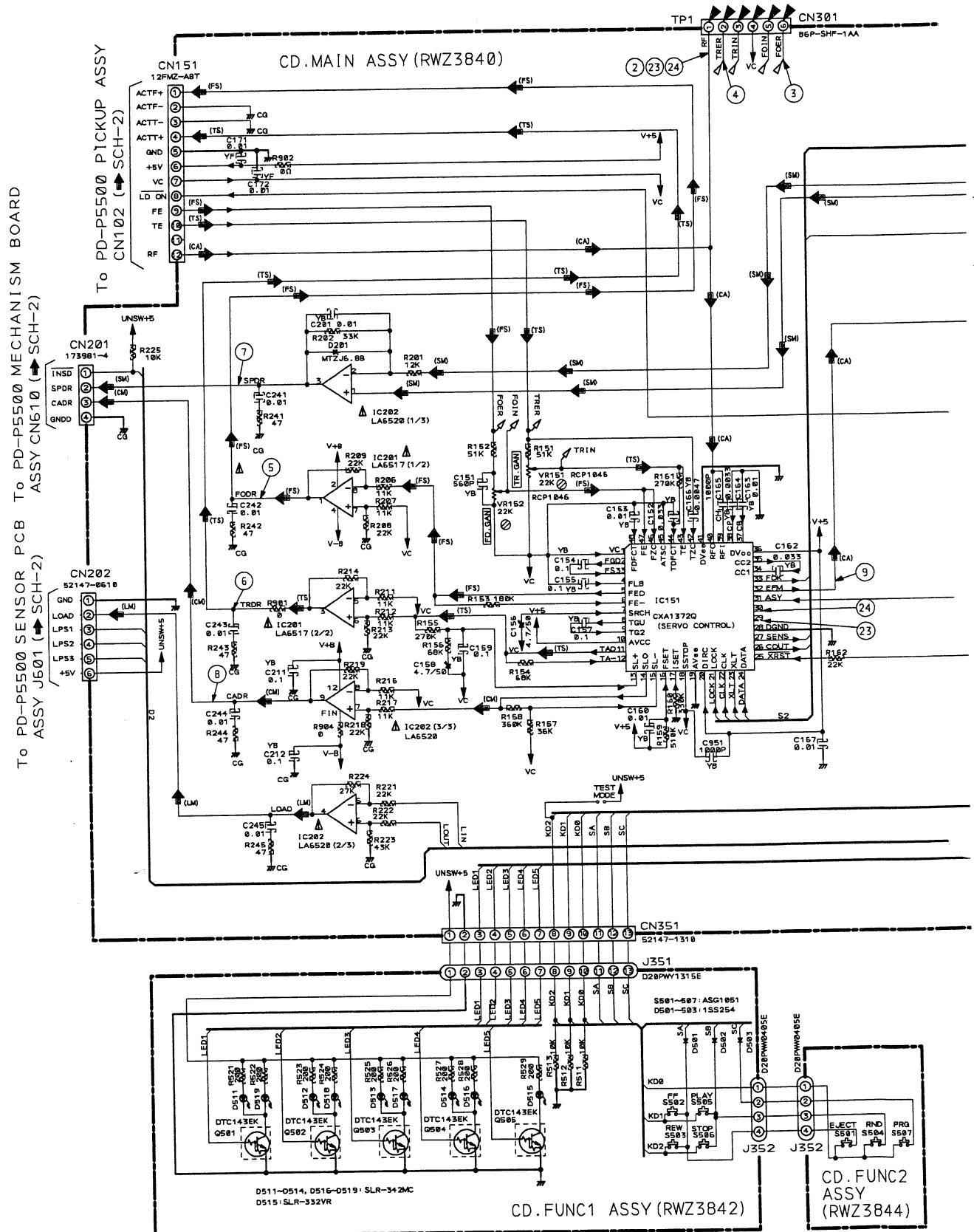
- Part numbers in PCB diagrams match those in the schematic diagrams.
- A comparison between the main parts of PCB and schematic diagrams is shown below.

Symbol in PCB Diagrams	Symbol in Schematic Diagrams	Part Name
		Transistor
		Diode
		Capacitor (Polarized)

- The transistor terminal marked with E or shows the emitter.
- The diode terminal marked with or C shows cathode side.
- The capacitor terminal marked with or C shows negative terminal.

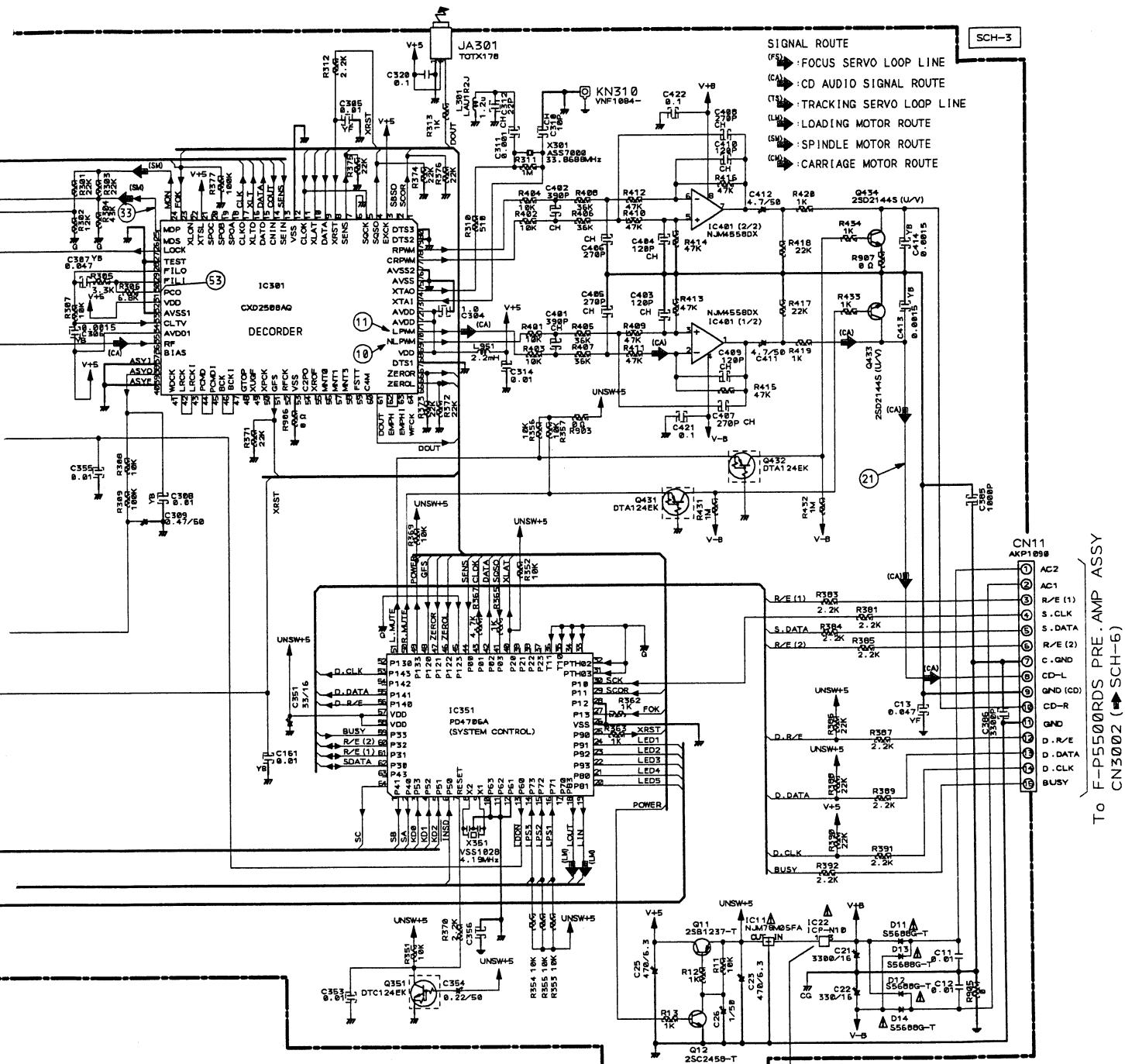
XS-P5500

■ CD. MAIN ASSY, CD. FUNC1 ASSY and CD. FUNC2 ASSY



SCH-3

CD. MAIN ASSY, CD. FUNC1 ASSY,
CD. FUNC2 ASSY (PD-P5500)



IC301 (CxD2508AQ)

PIN NO.	VOLTAGE [V]								
1	B.1	17	4.9	33	0	49	4.9	65	0
2	B.1	18	0	34	2.8	58	1.6	66	0
3	5.0	19	0	35	5.0	51	4.9	67	0
4	B.1	20	0	36	2.7	52	2.4	68	4.9
5	5.0	21	4.9	37	0	53	0	69	2.5
6	0	22	0	38	0	54	0	70	2.5
7	2.2-2.6	23	5.0	39	2.5	55	4.9	71	4.9
8	5.0	24	5.0	40	4.9	56	4.4	72	4.9
9	4.9	25	2.3-2.4	41	2.4	57	0	73	2.5
10	5.0	26	B.1	42	2.4	58	0	74	2.5
11	4.9	27	5.0	43	2.4	59	3.2	75	0
12	0	28	0	44	2.4	60	1.7	76	0
13	4.9	29	2.6	45	2.4	61	2.2	77	2.4
14	B.1	30	2.6	46	2.0	62	0	78	2.4
15	4.9	31	2.6	47	2.0	63	0	79	0
16	4.9	32	5.0	48	0	64	2.4	80	0

CAUTION :FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE ONLY WITH SAME TYPE NO.
ICP-N1B MED BY ROHM CO., LTD.FOR IC22.

1G151 (CXA1372Q)

PIN NO.	VOLTAGE [V]						
1	2.5	15	2.5	25	5.0	37	1.8
2	2.5	14	2.5	26	6.1	38	2.6
3	2.5	15	2.5	27	4.9	39	2.5
4	2.5	16	6.8	28	0	40	3.5
5	2.6	17	1.3	29	0	41	0
6	2.5	18	2.5	30	0	42	2.5
7	2.6	19	0	31	0	43	2.5
8	2.5	20	6.8	32	2.6	44	2.5
9	2.5	21	5.0	33	5.0	45	2.5
10	5.0	22	4.9	34	1.0	46	2.5
11	2.5	23	5.0	35	0.9	47	2.5
12	2.5	24	4.9	36	5.0	48	2.5

CD. MAIN ASSY, CD. FUNC1 ASSY,
CD. FUNC2 ASSY (PD-P5500)

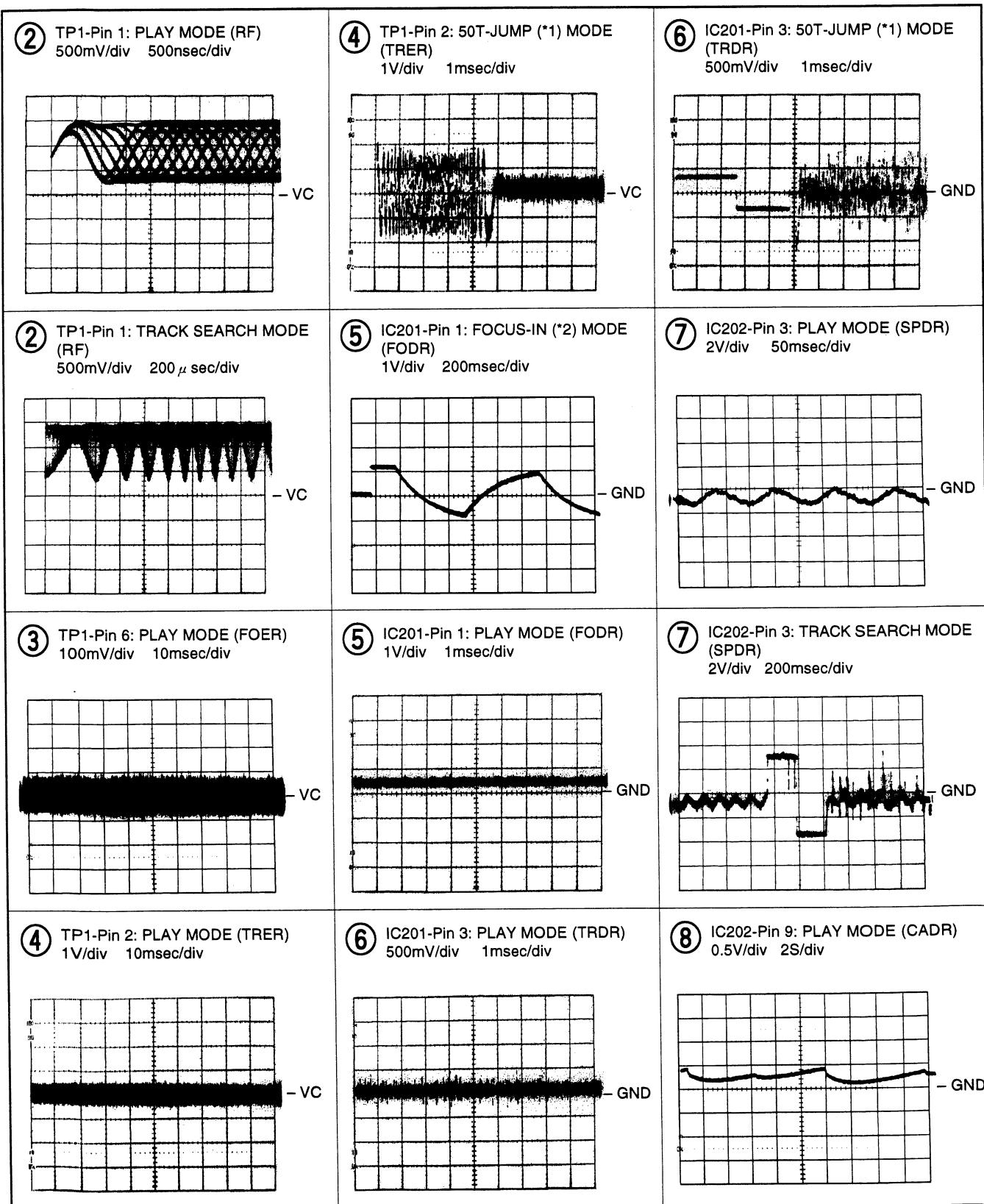
SCH-3

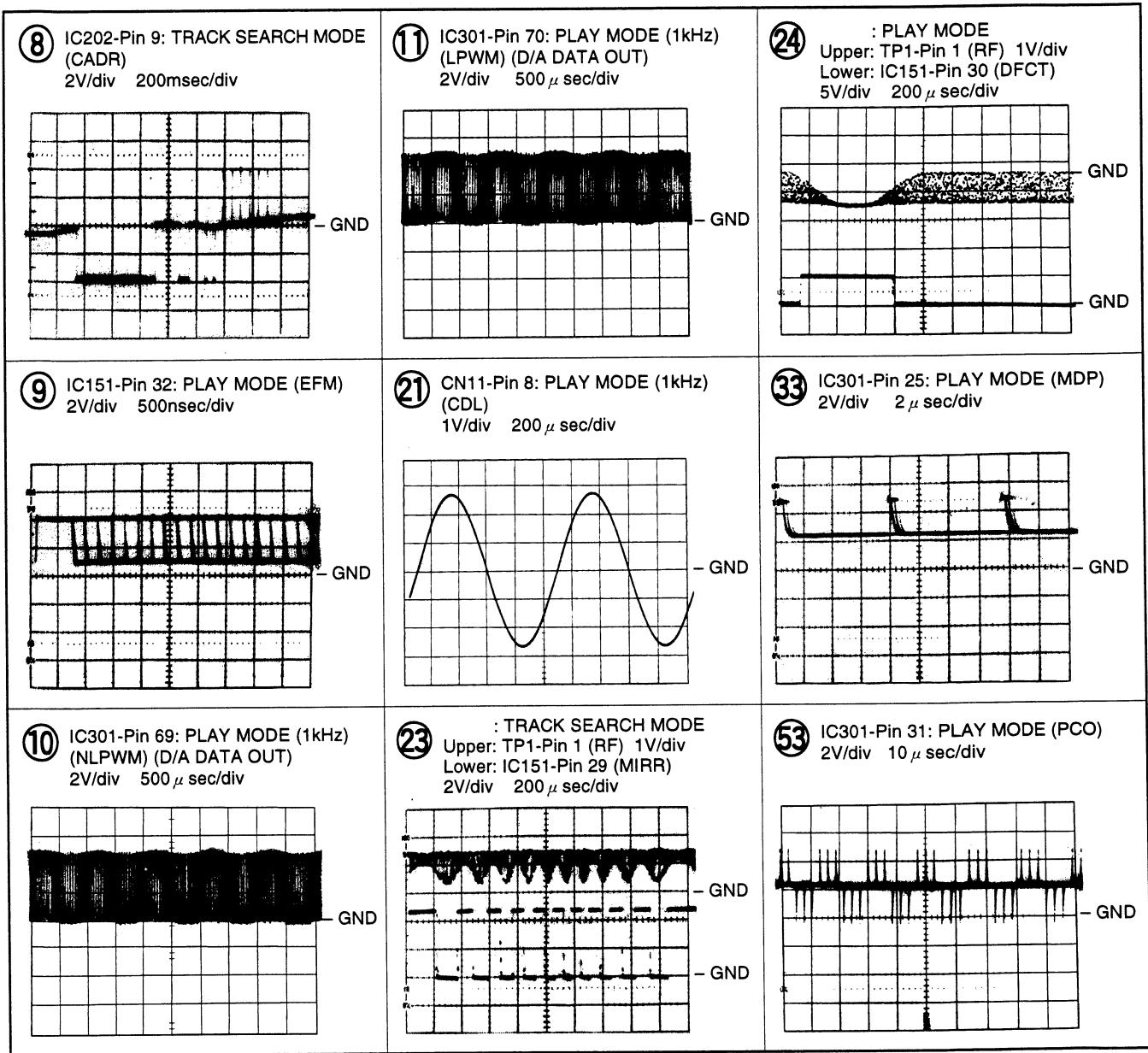
XS-P5500

Waveforms (CD. MAIN Assy)

Note: The encircled numbers denote measuring point in the schematic diagram.

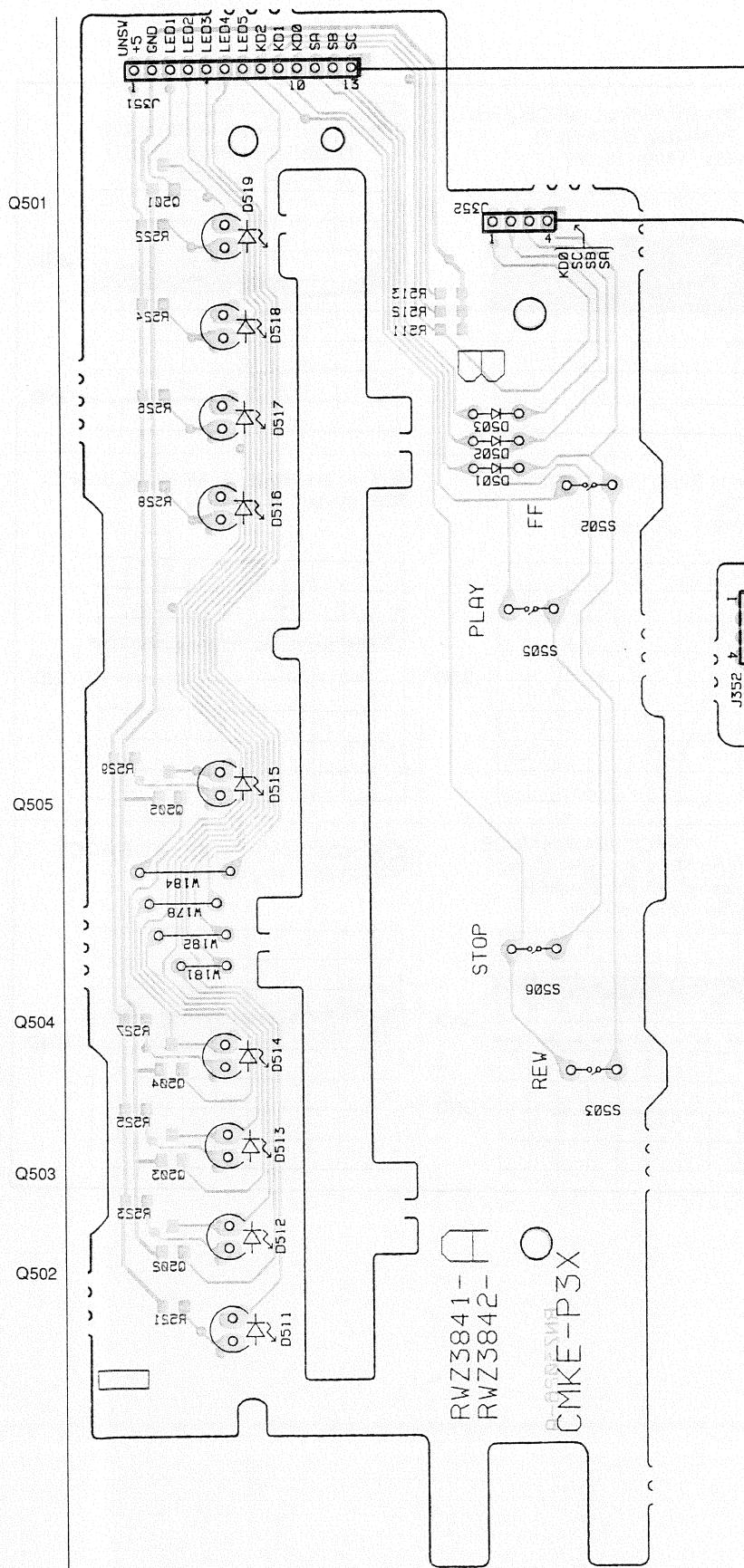
*1 50T-JUMP: After switching to the pause mode, press the manual search key.
 *2 FOCUS-IN: Press the play key without loading a disc.



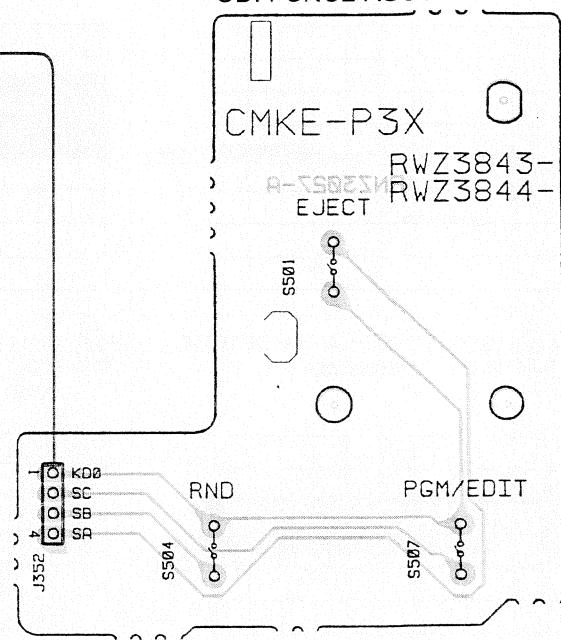


XS-P5500

CD. FUNC1 ASSY



CD. FUNC2 ASSY

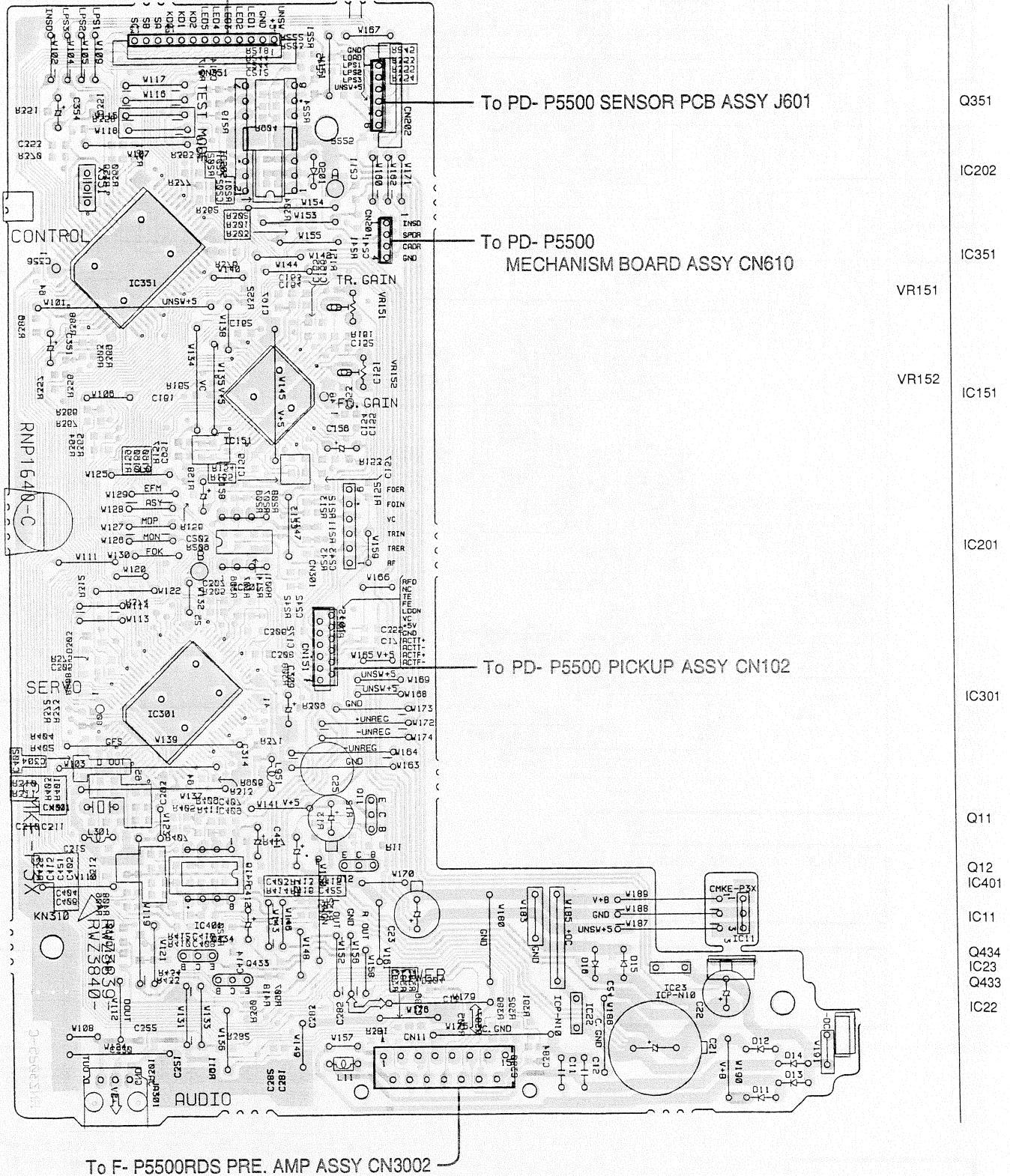


- This diagram is viewed from the mounted parts side.

The parts mounted on this PCB include all necessary parts for several destinations.

For further information for respective destinations, be sure to check with the schematic diagram.

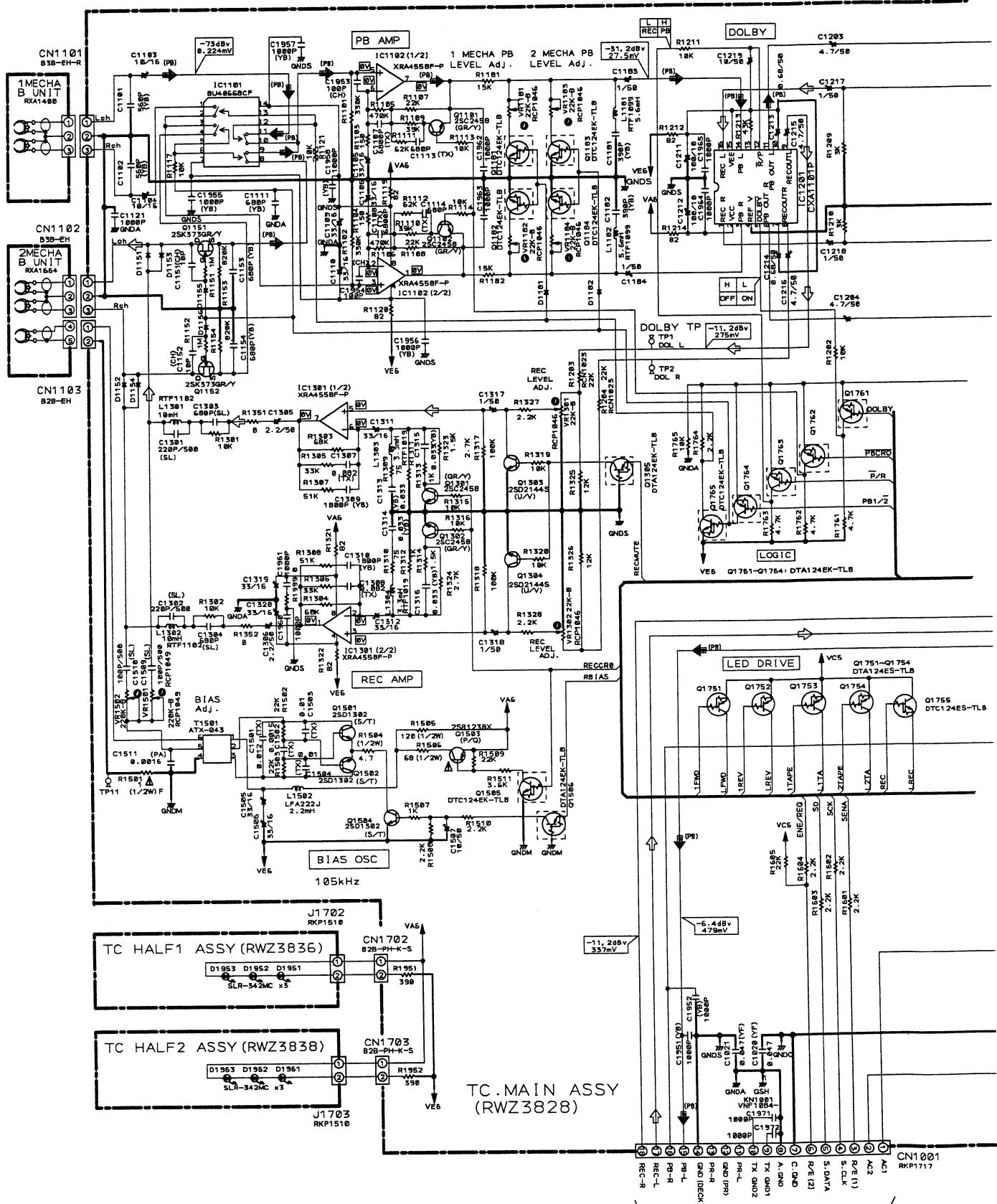
CD. MAIN ASSY



To F- P5500RDS PRE. AMP ASSY CN3002

3.3 STEREO DOUBLE CASSETTE DECK (CT-P5500WR)

■ TC. MAIN Assy, TC. FUNC Assy, TC HALF1 Assy, TC HALF2 Assy and Mechanism Unit

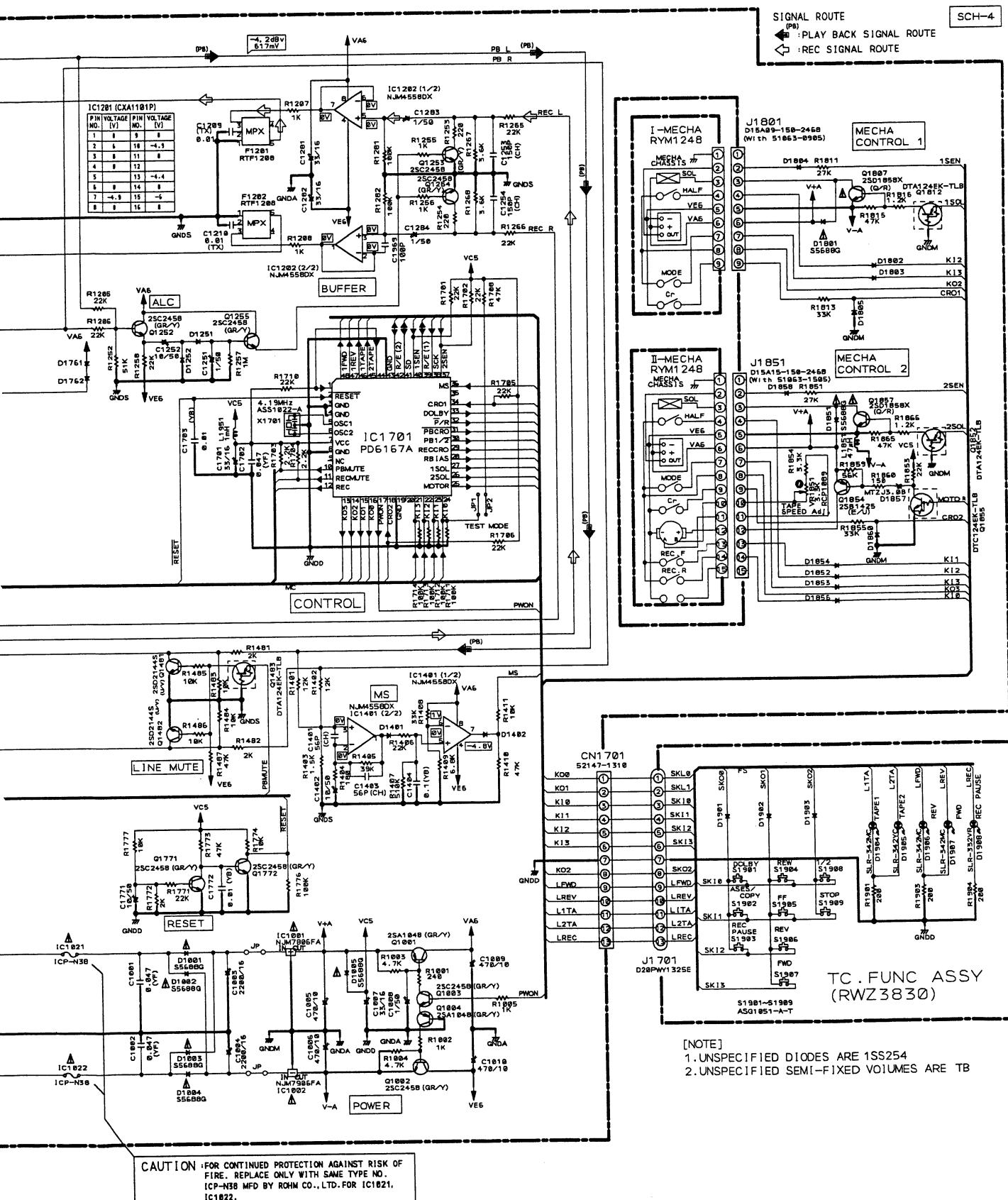


To F-P5500RDS PRE.AMP ASSY CN3001 (→ SCH-6
A-P5500 MAIN ASSY CN2011 (→ SCH-7)

SCH-4

TC. MAIN ASSY, TC. FUNC ASSY, TC HALF1 ASSY,
TC HALF2 ASSY, MECHANISM UNIT
(CT-P5500WR)

SCH-4



CAUTION :FOR CONTINUED PROTECTION AGAINST RISK OF FIRE. REPLACE ONLY WITH SAME TYPE NO.
ICP-N38 MFD BY ROHM CO., LTD. FOR IC1821,
IC1822.

TC. MAIN ASSY, TC. FUNC ASSY, TC HALF1 ASSY,
TC HALF2 ASSY, MECHANISM UNIT
(CT-P5500WR)

SCH-4

XS-P5500

To F- P5500RDS PRE. AMP ASSY CN3001 and A- P5500 MAIN ASSY CN2011

TC. MAIN ASSY

IC1011
IC1012

Q1002
Q1001
IC1002
Q1004
Q1003

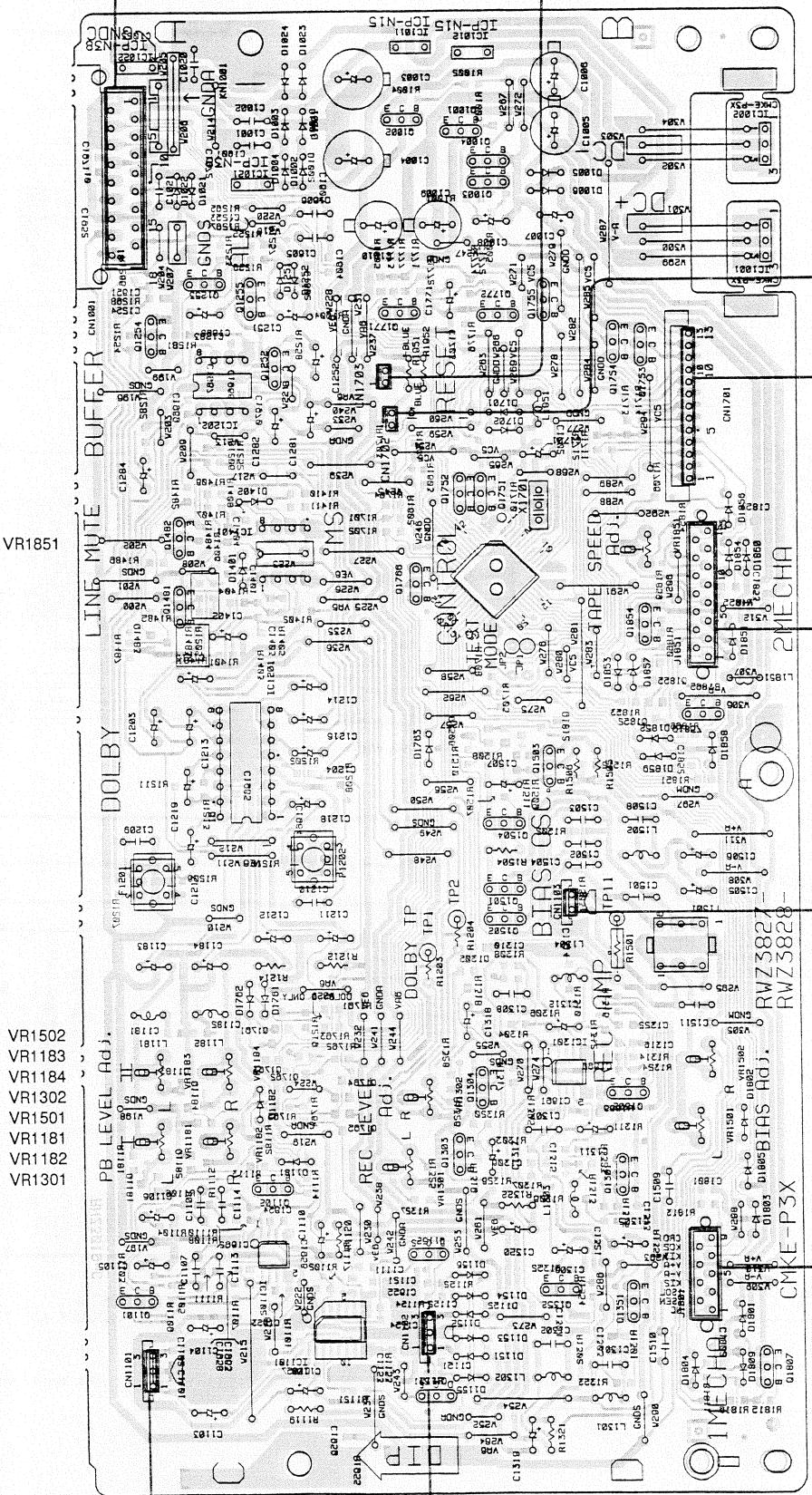
IC1001
Q1253
Q1255
Q1755
Q1771
Q1772
Q1254
Q1754
Q1753
Q1252
IC1202

Q1751
Q1752
Q1482
IC1401
Q1766
IC1701
Q1481
Q1854
Q1483
Q1855
Q1857
Q1852
Q1812
Q1505
Q1506
Q1503
IC1201
Q1504

Q1501
Q1502

Q1305
Q1761
—
Q1765
IC1301
VR1183
Q1181
—
VR1184
VR1302
Q1184
VR1501
Q1301
VR1181
VR1182
VR1301
Q1304
Q1102

Q1152
IC1102
Q1352
Q1351
Q1101
IC1101
Q1807
Q1151



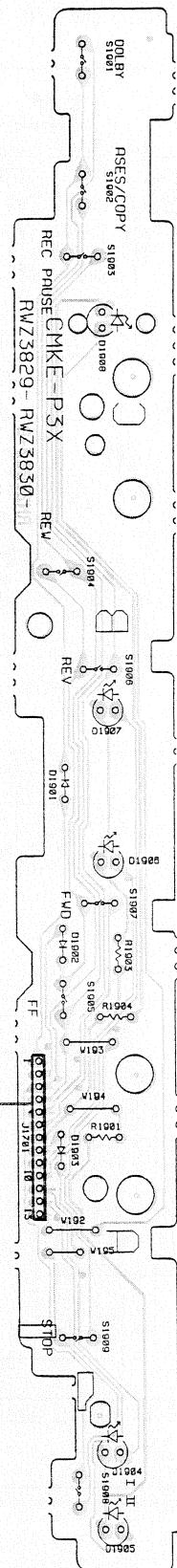
To II - MECHA A unit

To II - MECHA B unit

To I - MECHA A unit

To I - MECHA B unit

TC. FUNC ASSY



TC HALF2 ASSY

TC HALF1 ASSY

- This diagram is viewed from the mounted parts side.

The parts mounted on this PCB include all necessary parts for several destinations.

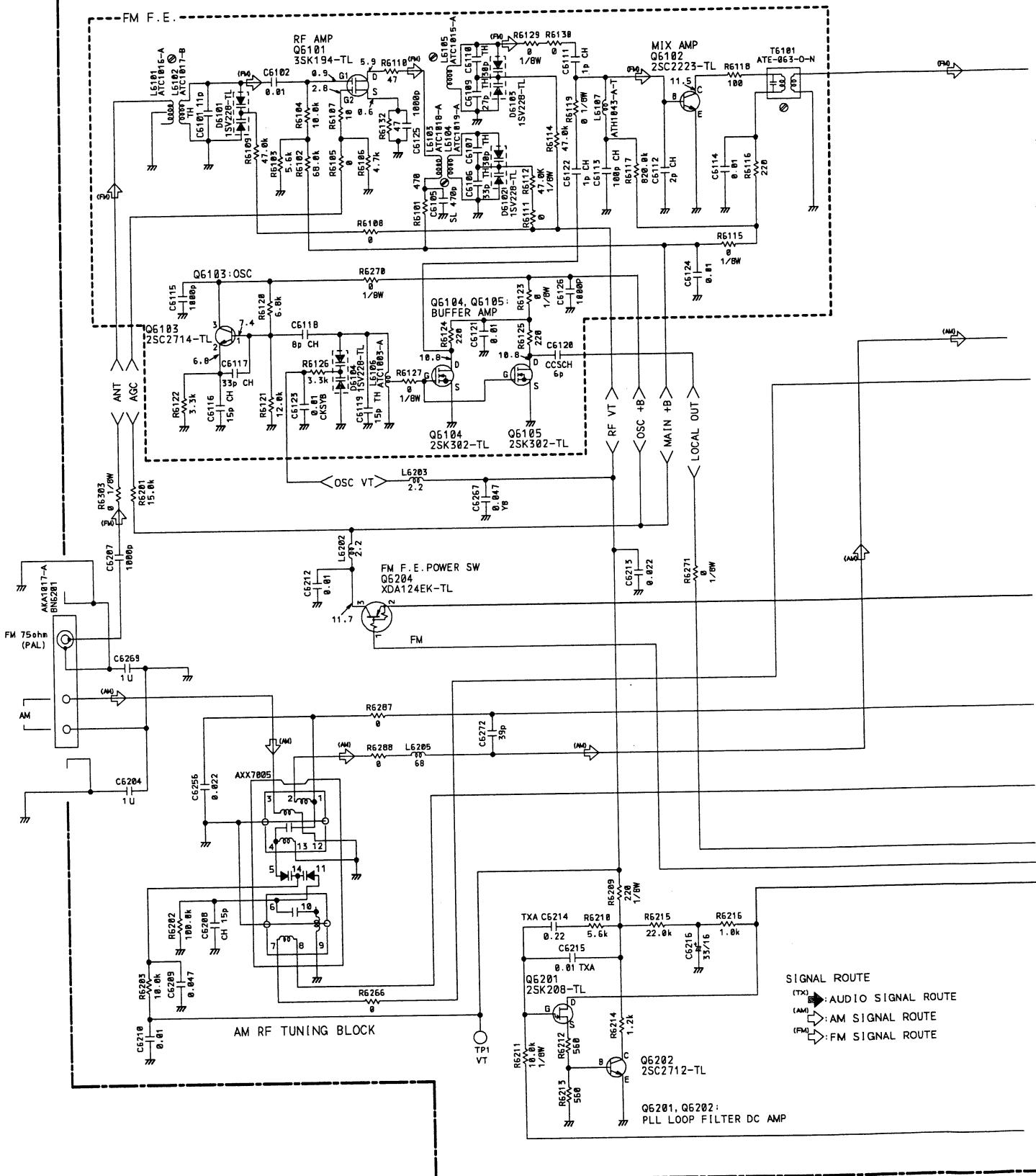
For further information for respective destinations, be sure to check with the schematic diagram.

XS-P5500

3.4 STEREO TUNER (F-P5500RDS)

■ FM/AM Tuner Module

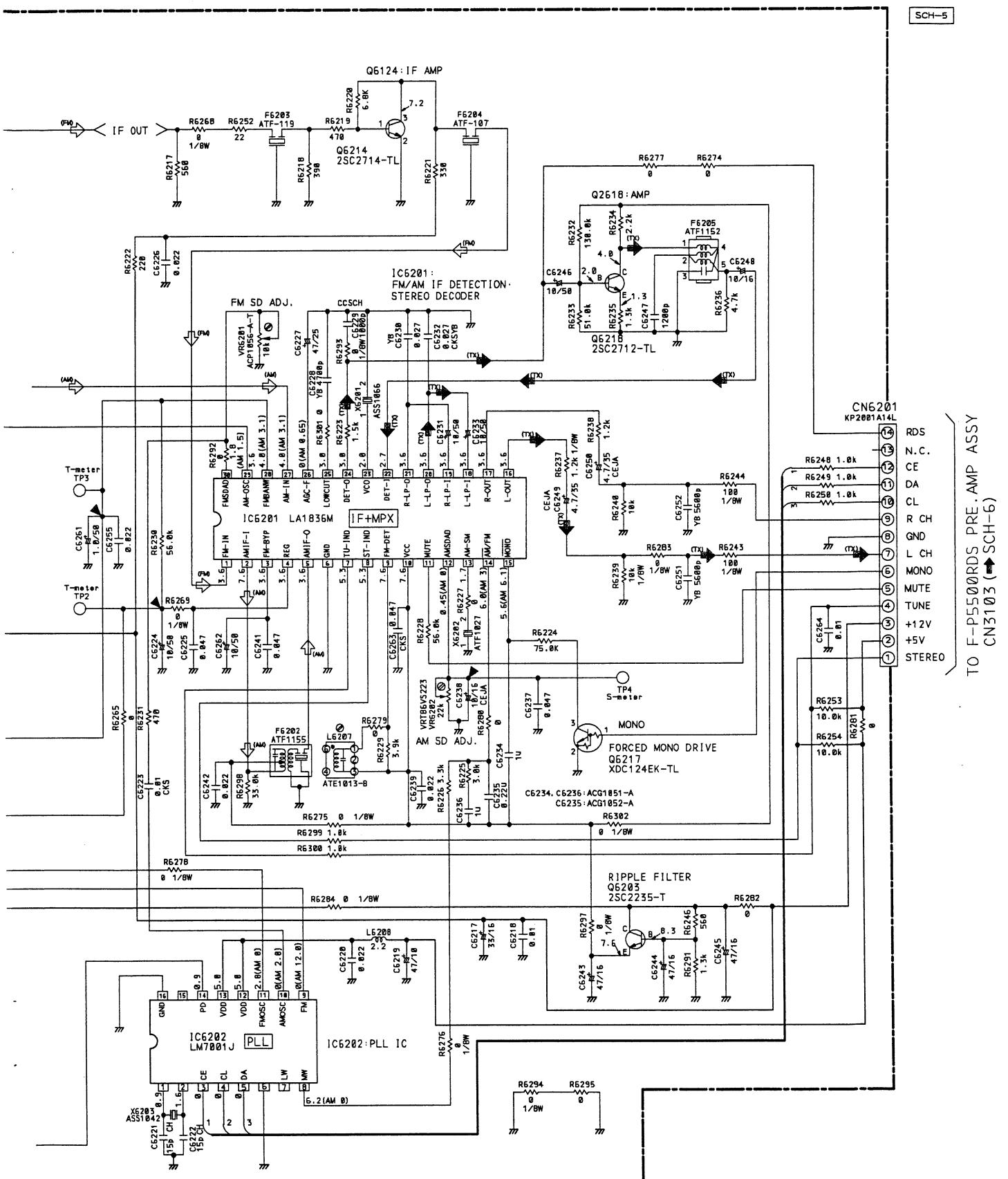
FM/AM TUNER MODULE (AXQ7014)



SCH-5

FM/AM TUNER MODULE
(F-P5500RDS)

SCH-5

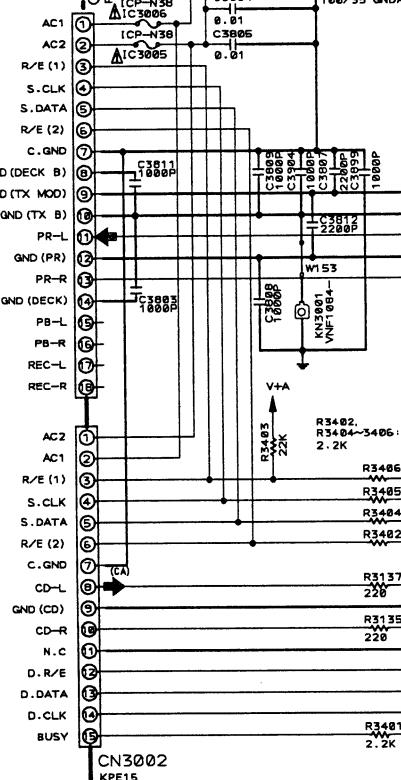


■ PRE. AMP Assy and DISPLAY Assy

CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE NO. ICP-N15 MFD BY ROHM CO., LTD. FOR IC3003.

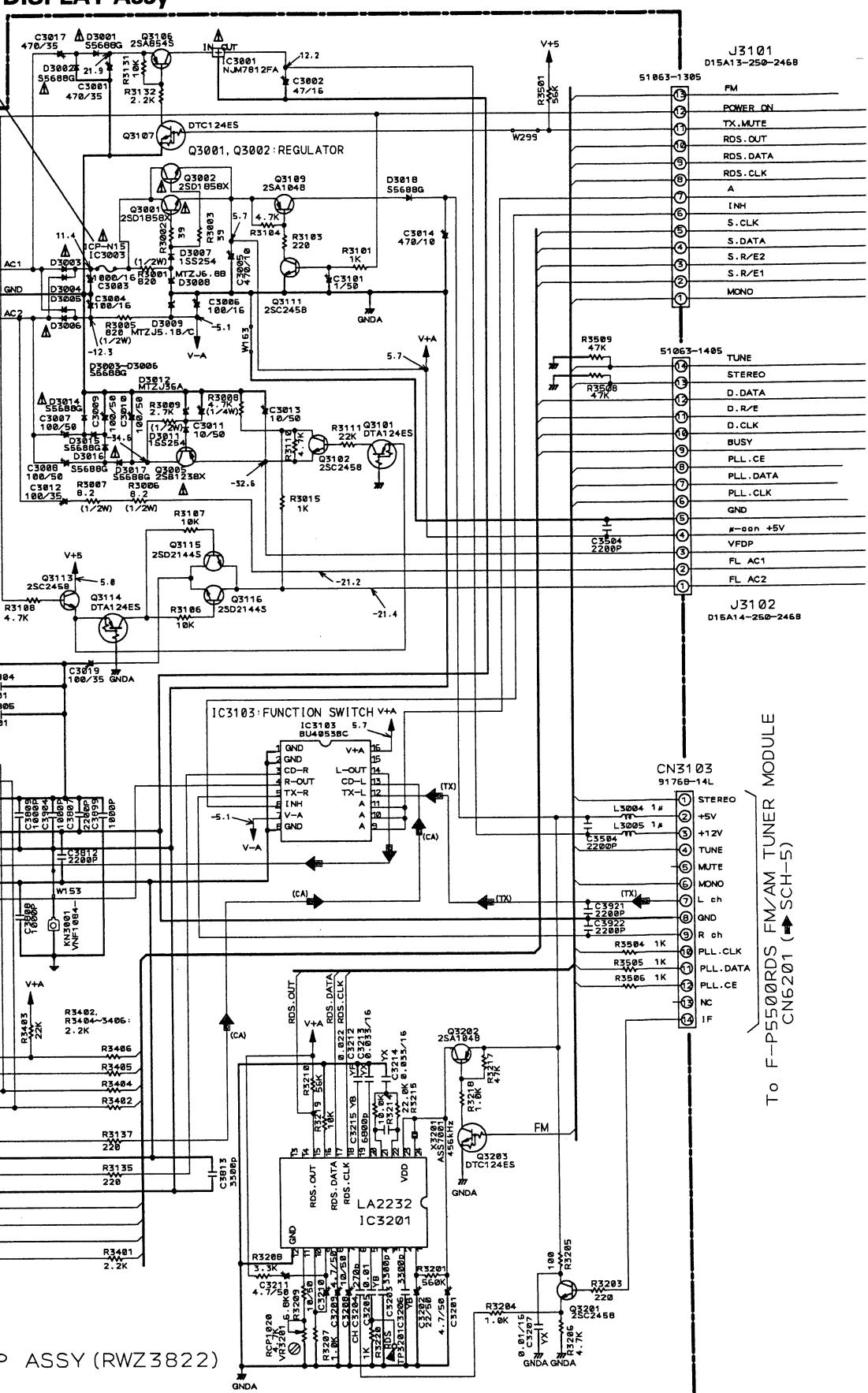
CAUTION: FOR CONTINUED PROTECTION AGAINST RISK OF FIRE, REPLACE ONLY WITH SAME TYPE NO. ICP-N38 MFD BY ROHM CO., LTD. FOR IC3005 and IC3006.

To PD-P5500 CD. MAIN ASSY To A-P5500 MAIN ASSY CN2011 (↔ SCH-7) and CT-P5500WR TC. MAIN ASSY CN1001 (↔ SCH-4)

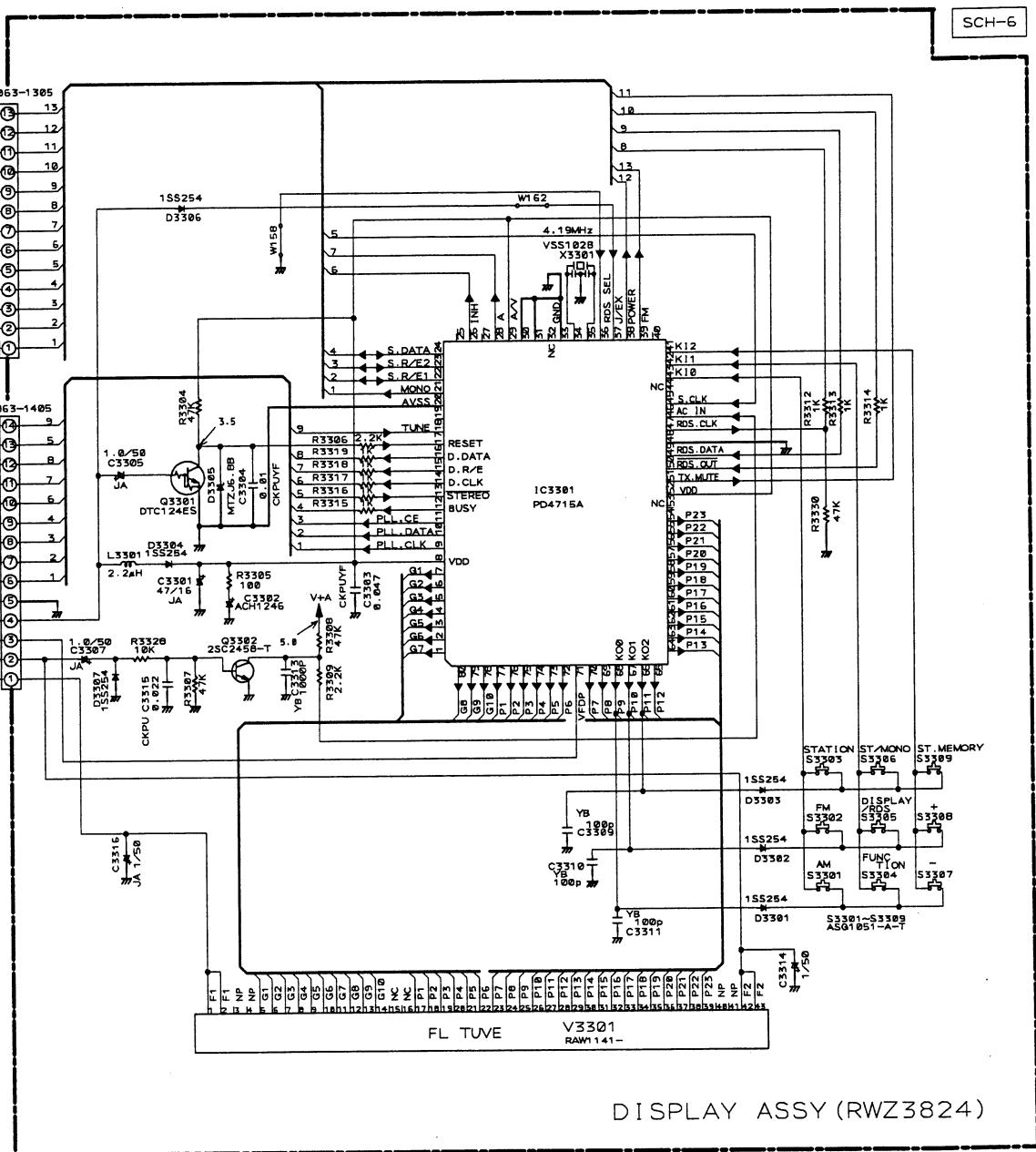


PRE . AMP ASSY (RWZ3822)

PRE. AMP ASSY, DISPLAY ASSY
(F-P5500RDS)



SCH-6



Q3102
Q3101

Q3203

Q3202
Q3113
Q3114

Q3115
Q3116
IC3201

Q3111
Q3005
Q3109

Q3201

Q3002
Q3001

IC3003
IC3001

Q3106

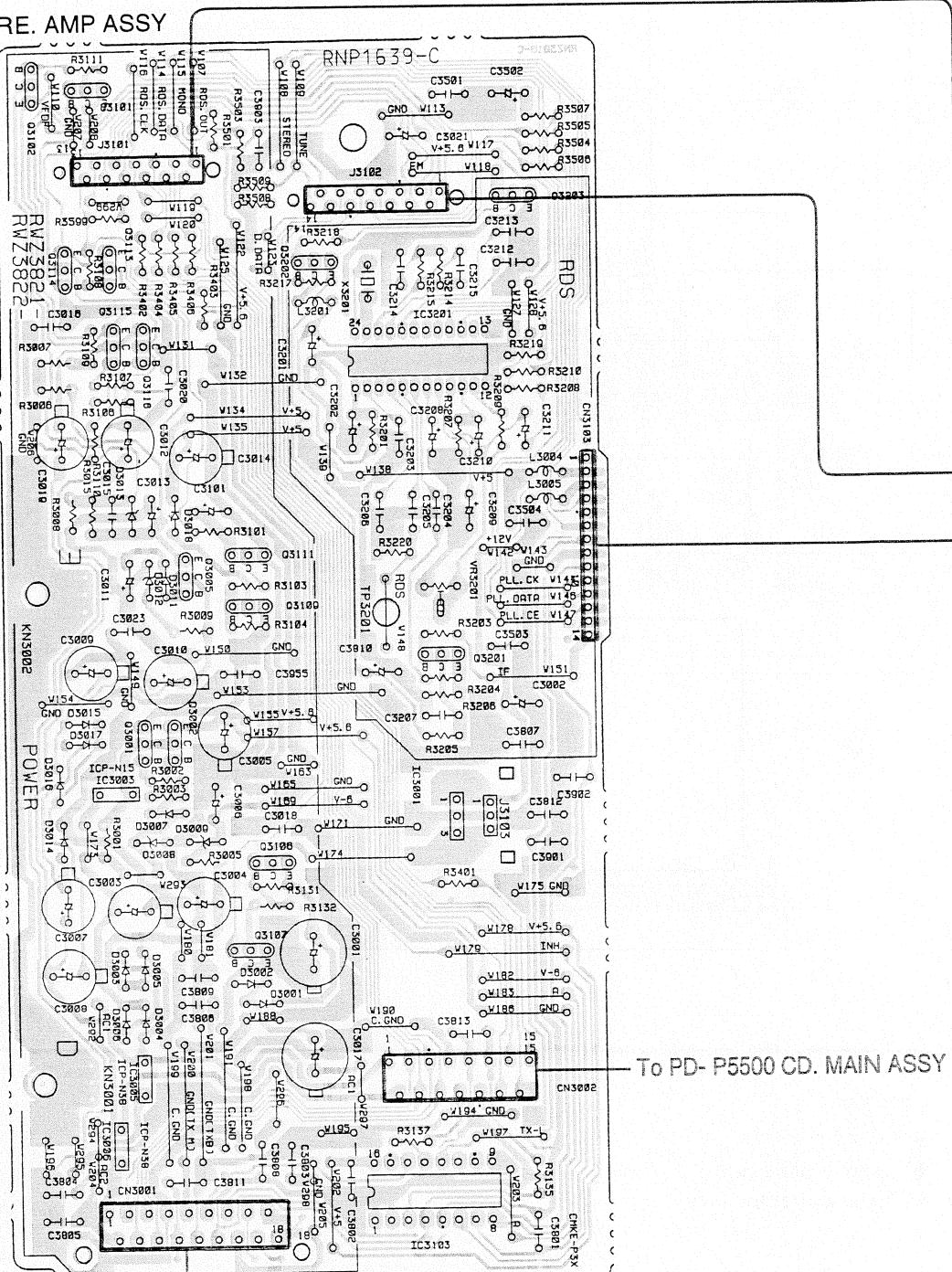
Q3107

IC3005

IC3006

IC3103

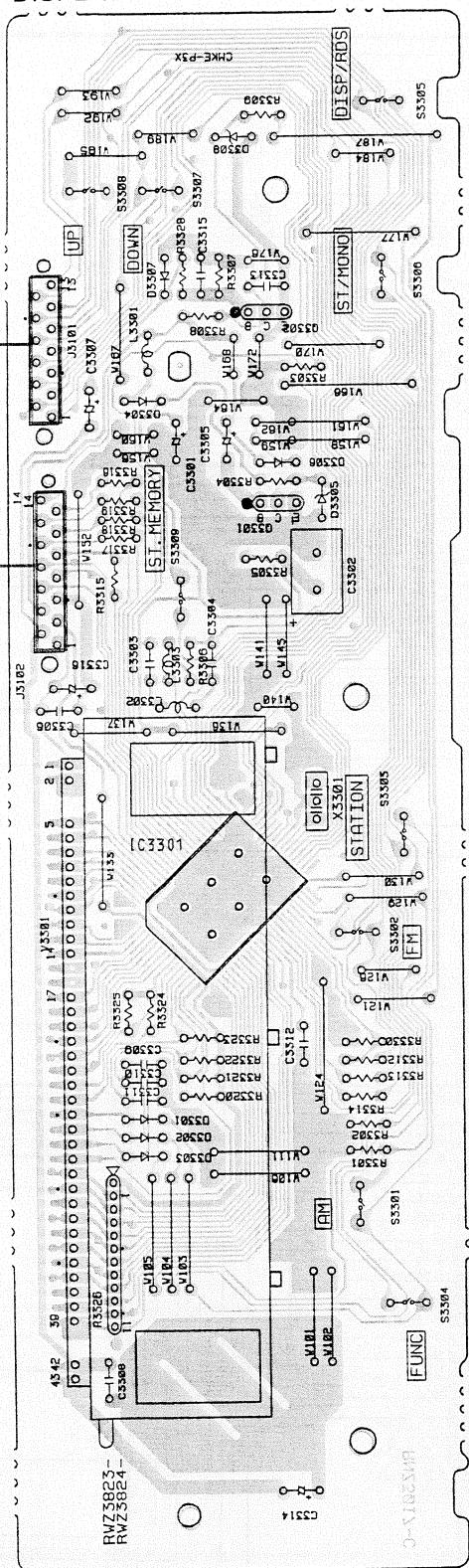
PRE. AMP ASSY



- This diagram is viewed from the mounted parts side.

PCB-4

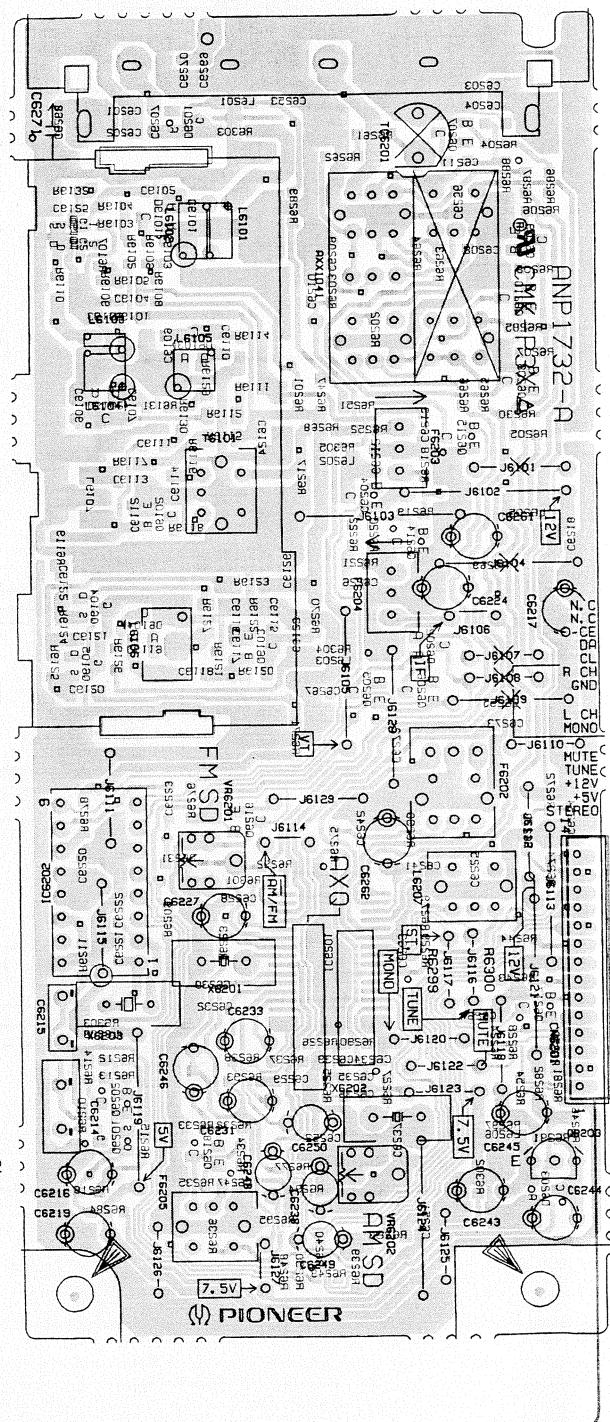
DISPLAY ASSY



The parts mounted on this PCB include all necessary parts for several destinations.

For further information for respective destinations, be sure to check with the schematic diagram.

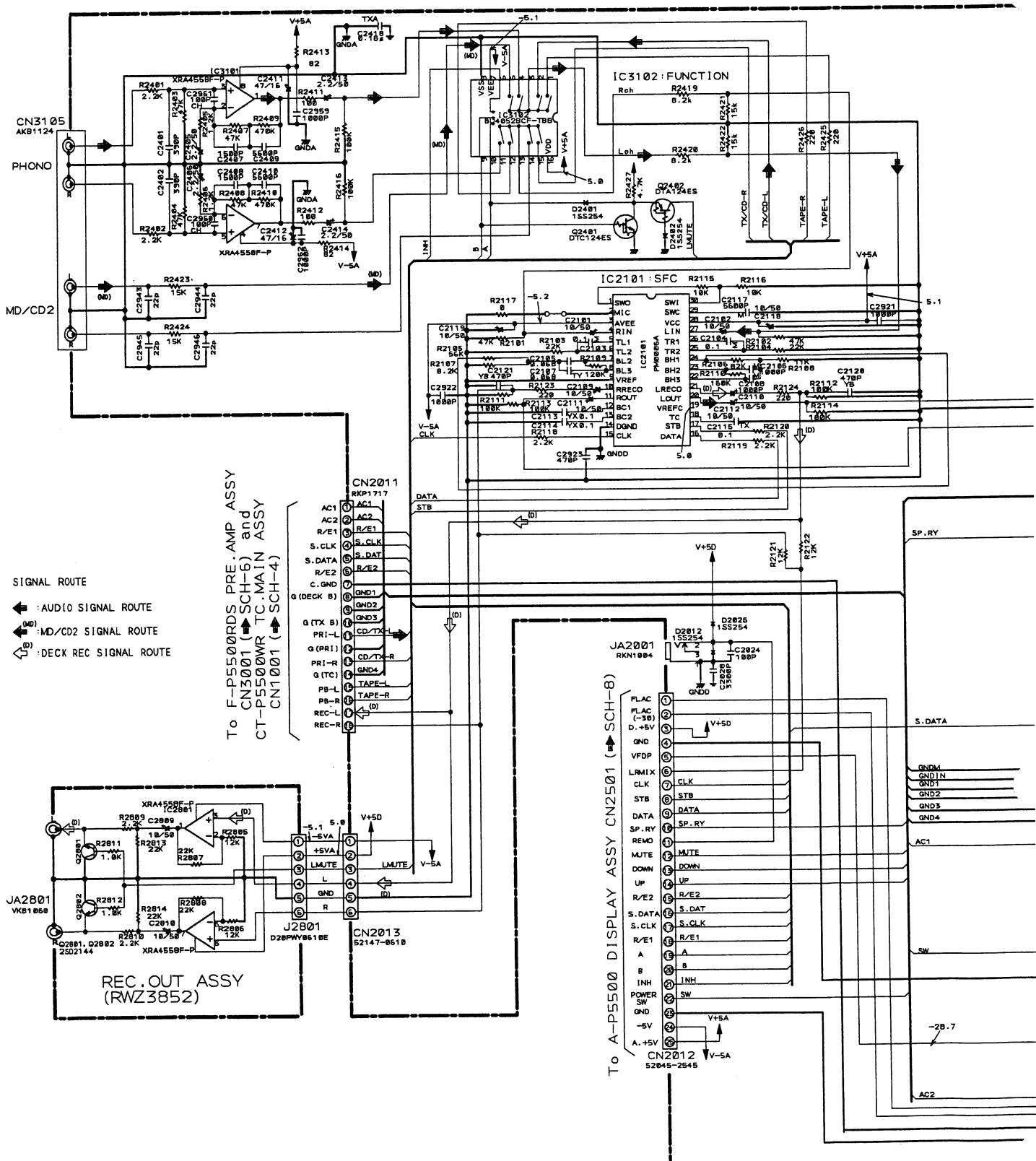
FM/AM TUNER MODULE



XS-P5500

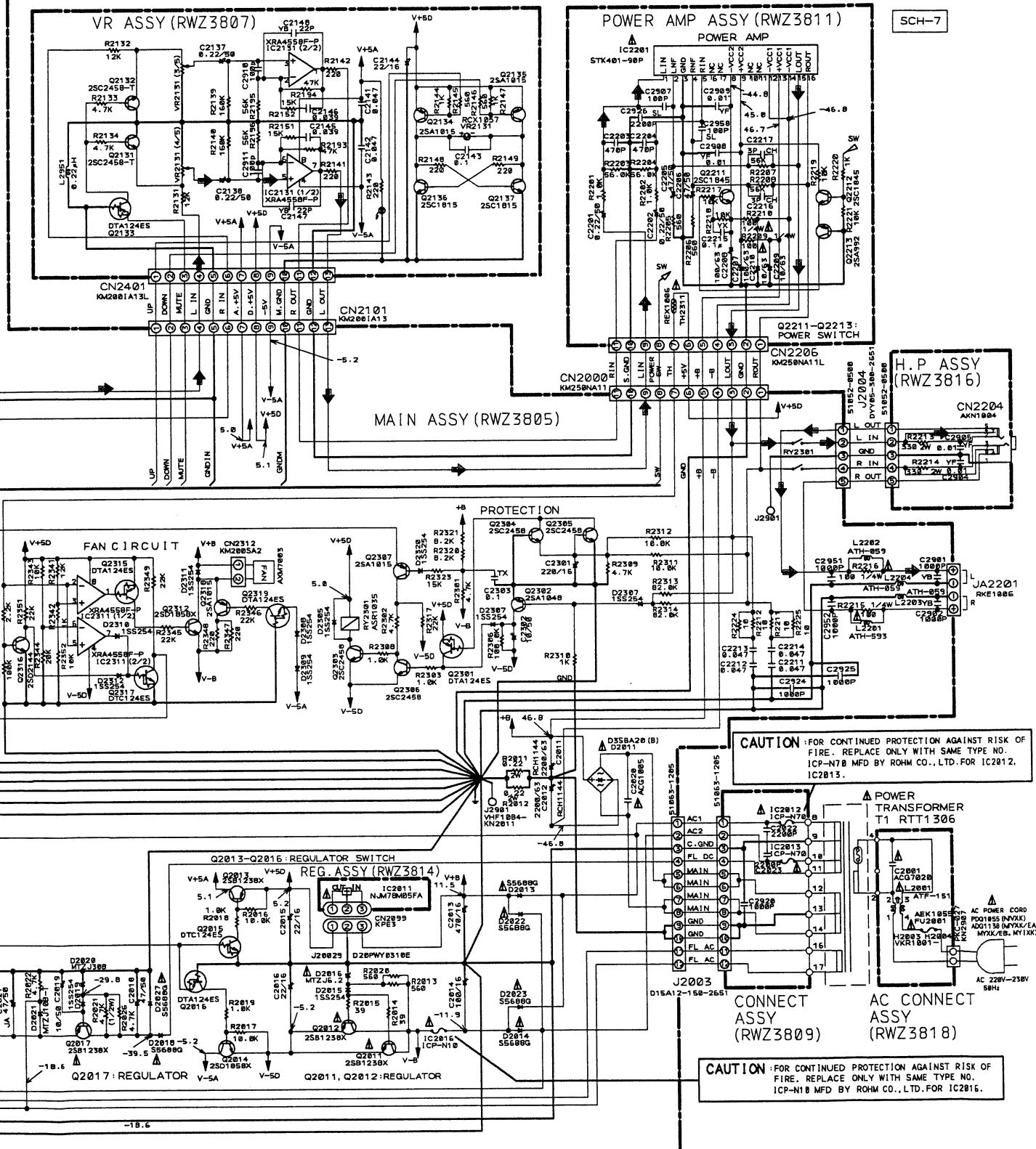
3.5 STEREO AMPLIFIER (A-P5500)

■ MAIN Assy, VR Assy, CONNECT Assy, POWER AMP Assy, REG. Assy, H. P Assy, AC. CONNECT Assy and REC. OUT Assy



SCH-7

MAIN ASSY, VR ASSY, CONNECT ASSY, POWER AMP ASSY,
REG. ASSY, H. P ASSY, AC. CONNECT ASSY, REC. OUT ASSY
(A-P5500)



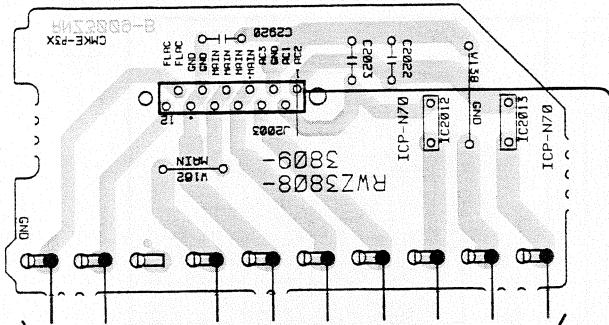
MAIN ASSY, VR ASSY, CONNECT ASSY, POWER AMP ASSY,
REG. ASSY, H. P ASSY, AC. CONNECT ASSY, REC. OUT ASSY
(A-P5500)

SCH-7

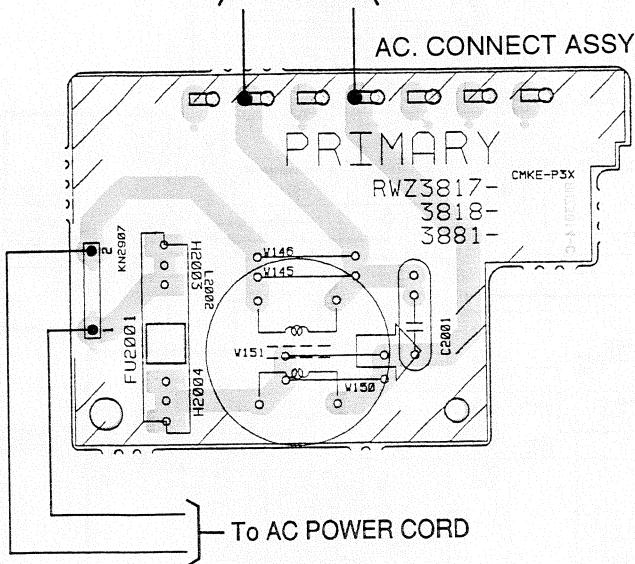
XS-P5500

IC2012 IC2013

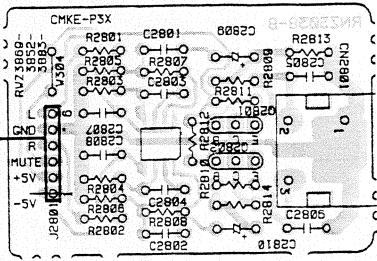
CONNECT ASSY



To POWER TRANSFORMER

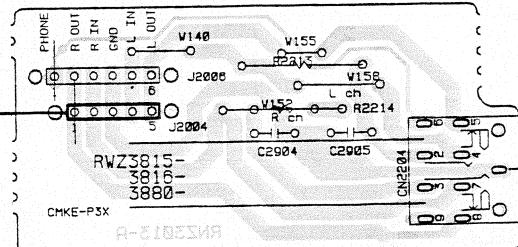


- To AC POWER CORD

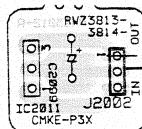


IC2801 Q2801 Q2802

H. PASSY



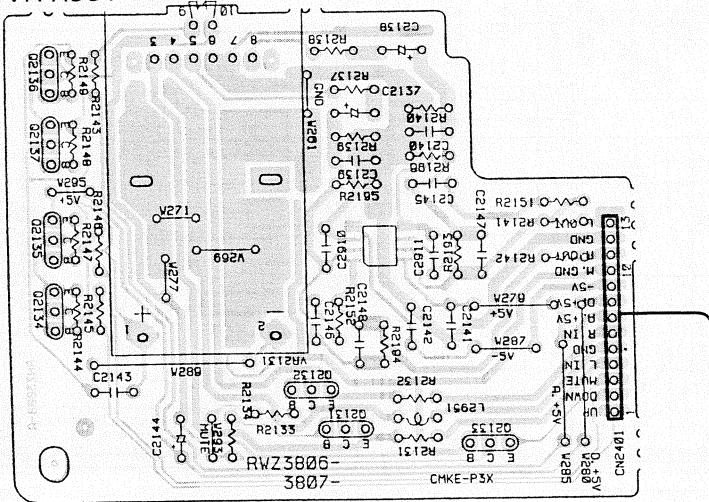
REG. ASSY



- This diagram is viewed from the mounted parts side.

The parts mounted on this PCB include all necessary parts for several destinations. For further information for respective destinations, be sure to check with the schematic diagram.

VR ASSY



VR2131

Q2134 – Q2137

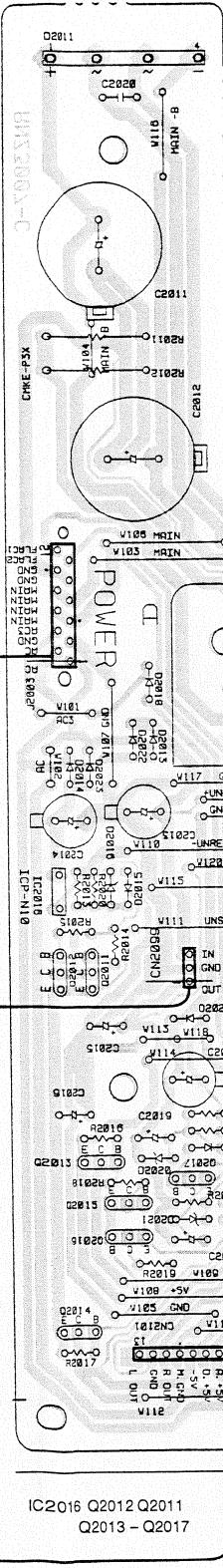
Q2132 Q2131 IC2131

Q2133

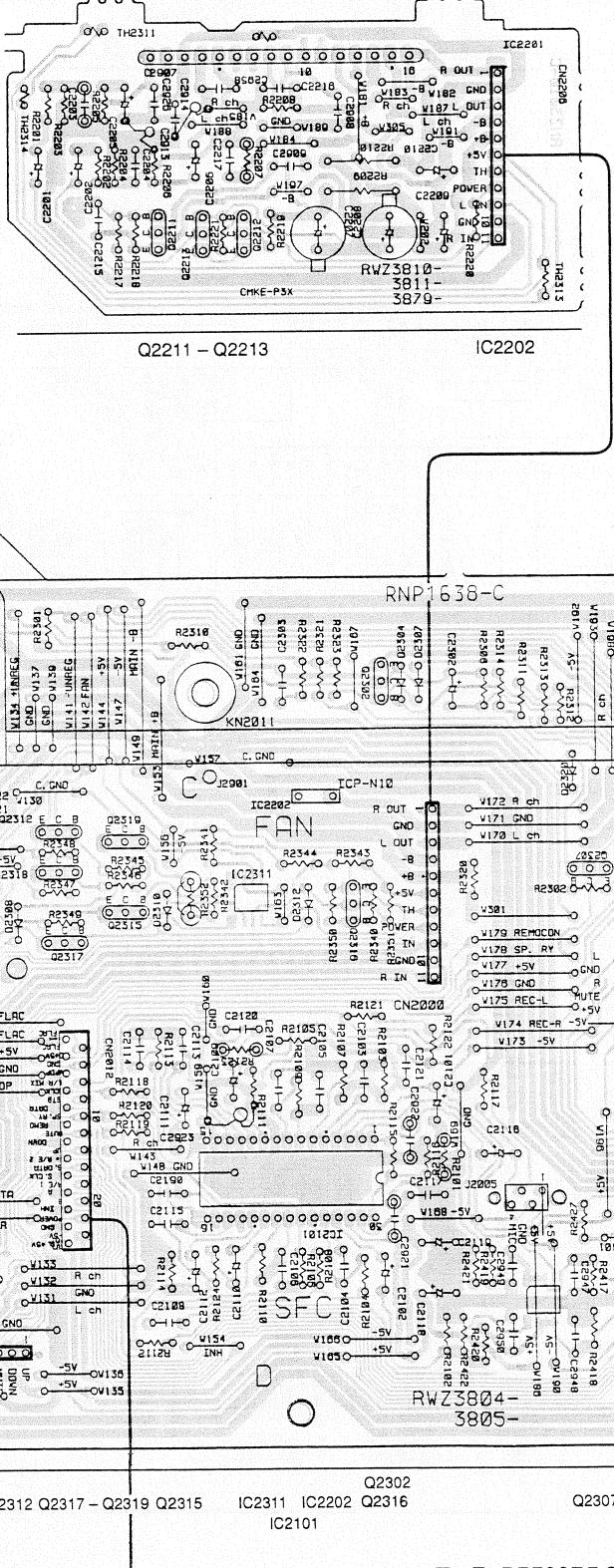
To FAN MOTOR

PCB-5

MAIN ASSY



POWER AMP ASSY

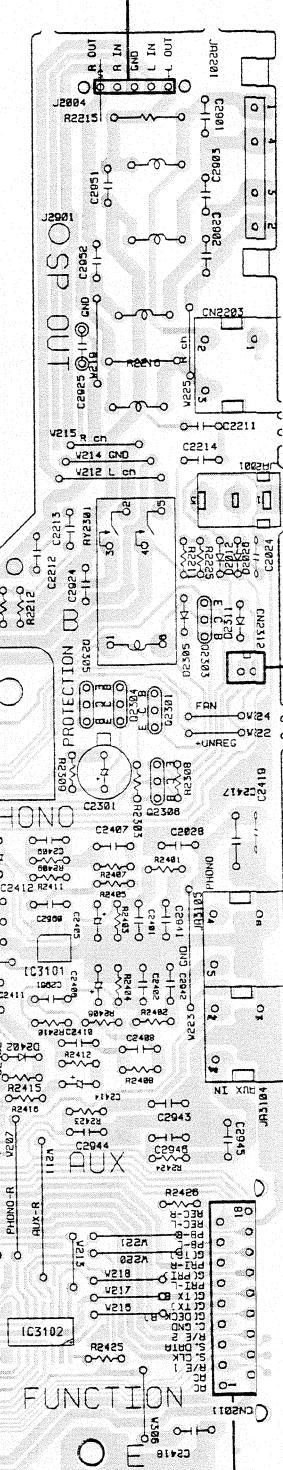


To F- P5500RDS PRE. AMP ASSY CN3001
and CT- P5500WR TC. MAIN ASSY CN1001

To A- P5500 DISPLAY ASSY CN2501

Q2312 Q2317 - Q2319 Q2315
IC2311 IC2202 Q2316
IC2101

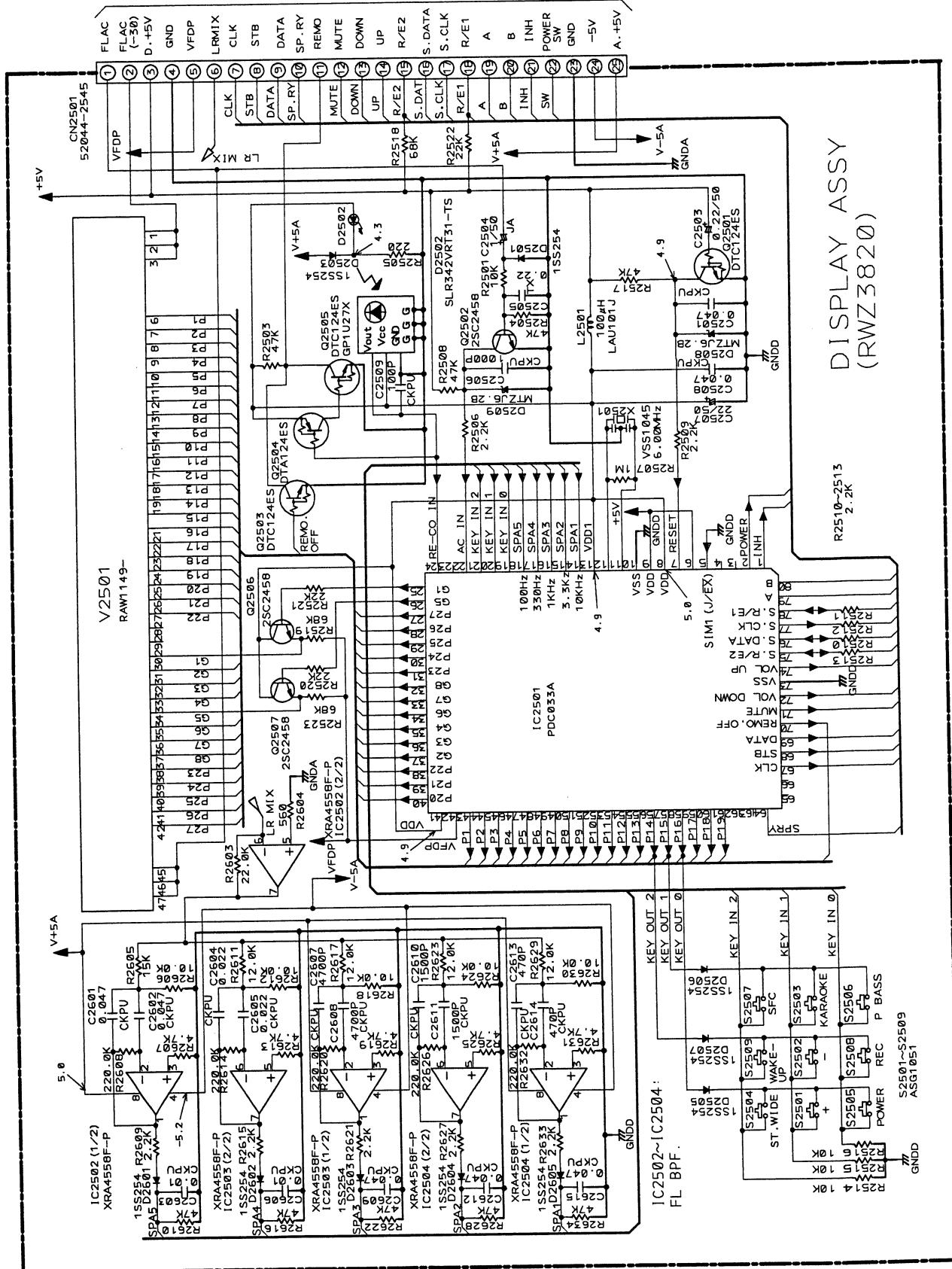
Q2302
Q2304 - Q2306 Q2301 Q233
Q2307 Q2401 Q2402 IC3101
IC3102

IC2106 Q2012 Q2011
Q2013 - Q2017

XS-P5500

■ DISPLAY Assy

To A-P5500 MAIN ASSY CN2012 (◀ SCH-7)



DISPLAY ASSY
(RWZ3820)

R2510~2513
2.2K

SCH-8

DISPLAY ASSY(A-P5500)

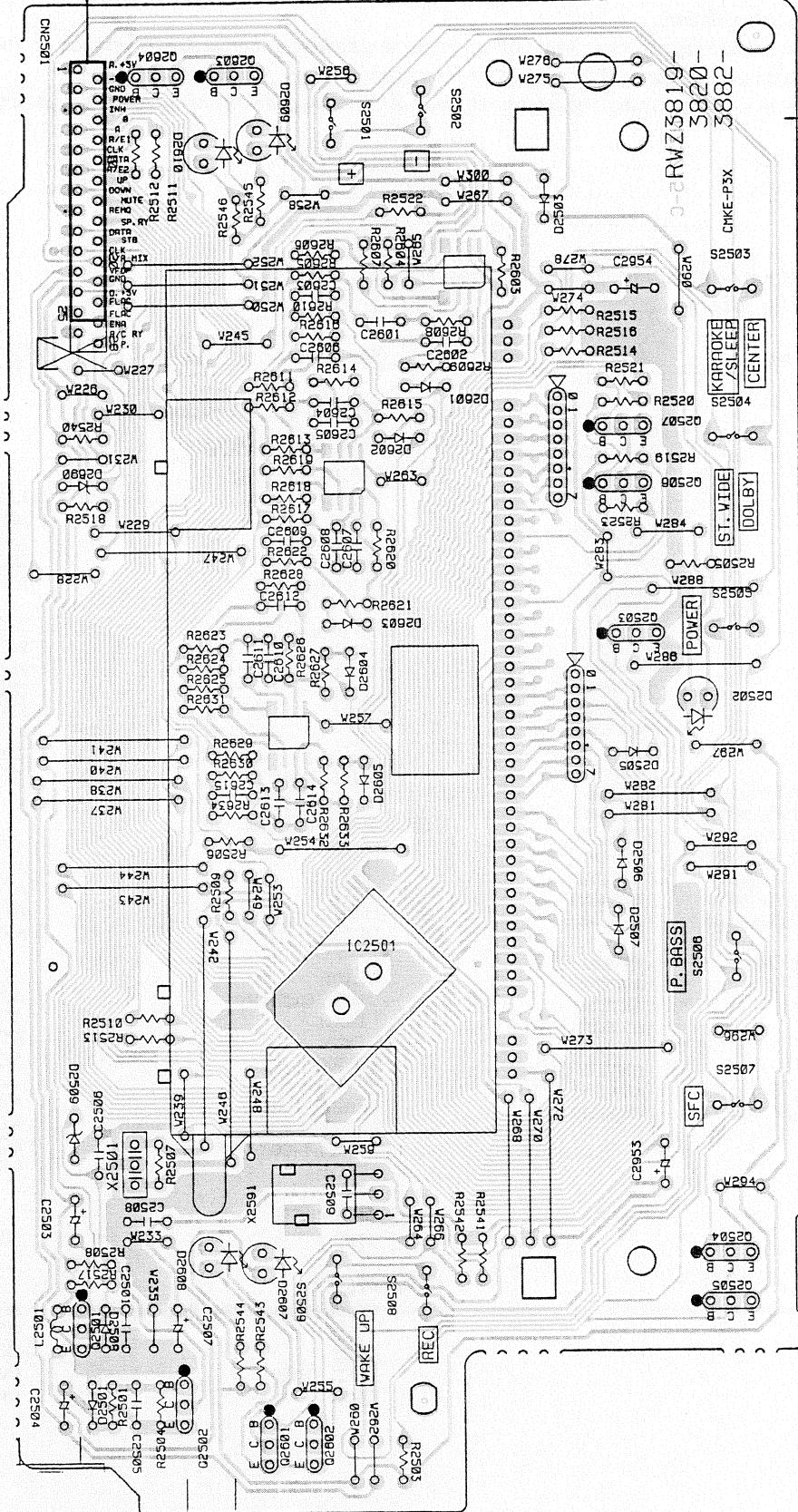
The parts mounted on this PCB include all necessary parts for several destinations.

For further information for respective destinations, be sure to check with the schematic diagram.

- This diagram is viewed from the mounted parts side.

To A- P5500 MAIN ASSY CN2012

DISPLAY ASSY



XS-P5500

4. PCB PARTS LIST

NOTES :

- Parts marked by " NSP " are generally unavailable because they are not in our Master Spare Parts List.
- The \triangle mark found on some component parts indicates the importance of the safety factor of the part. Therefore, when replacing, be sure to use parts of identical designation.
- Parts marked by " ● " are not always kept in stock. Their delivery time may be longer than usual or they may be unavailable.
- When ordering resistors, first convert resistance values into code form as shown in the following examples.

Ex. 1 When there are 2 effective digits (any digit apart from 0), such as 560 ohm and 47k ohm (tolerance is shown by J = 5%, and K = 10%).

$560\Omega \rightarrow 56 \times 10^1 = 561$ RD1/4PU 5 6 1 J

$47k\Omega \rightarrow 47 \times 10^3 = 473$ RD1/4PU 4 7 3 J

$0.5\Omega \rightarrow 0R5$ RN2H 0 R 5 K

$1\Omega \rightarrow 1R0$ RS1P 1 R 0 K

Ex. 2 When there are 3 effective digits (such as in high precision metal film resistors).

$5.62k\Omega \rightarrow 562 \times 10^3 = 5621$ RNI/4PC 5 6 2 1 F

Mark	No.	Description	Parts No.	Mark	No.	Description	Parts No.
LIST OF PCB ASSEMBLIES							
NSP		FM/AM TUNER MODULE	AXQ7014			■ STEREO TUNER (F-P5500RDS)	
NSP		PRE. TX ASSY	RWM1902			FM/AM TUNER MODULE	
	└ PRE. AMP ASSY		RWZ3822			SEMICONDUCTORS	
	└ DISPLAY ASSY		RWZ3824			IC6201	LA1836M
NSP	SFC. AMP ASSY		RWM1900			IC6202	LM7001J
	└ MAIN ASSY		RWZ3805			Q6102	2SC2223
	└ VR ASSY		RWZ3807			Q6203	2SC2235
	└ CONNECT ASSY		RWZ3809			Q6202, Q6218	2SC2712
	└ POWER AMP ASSY		RWZ3811			Q6103, Q6214	2SC2714
	└ REG. ASSY		RWZ3814			Q6201	2SK208
NSP	H. P ASSY		RWZ3816			Q6104, Q6105	2SK302
NSP	AC. CONNECT ASSY		RWZ3818			Q6101	3SK194
	└ DISPLAY ASSY		RWZ3820			Q6204	XDA124EK
	└ REC. OUT ASSY		RWZ3852			Q6217	
NSP	DECK. CD ASSY		RWM1904			D6101-D6104	XDC124EK 1SV228
	└ TC. MAIN ASSY (for CT-P5500WR)		RWZ3828				
NSP	└ TC. FUNC ASSY (for CT-P5500WR)		RWZ3830				
NSP	└ TC HALF1 ASSY (for CT-P5500WR)		RWZ3836				
NSP	└ TC HALF2 ASSY (for CT-P5500WR)		RWZ3838				
NSP	└ CD. MAIN ASSY (for PD-P5500)		RWZ3840				
NSP	└ CD. FUNC1 ASSY (for PD-P5500)		RWZ3842				
NSP	└ CD. FUNC2 ASSY (for PD-P5500)		RWZ3844				
COILS AND FILTERS							
NSP	CD SLOT-IN MECHA (for PD-P5500)		AXA7014			L6104	ATC1019
NSP	└ SL MECHA PCB ASSY		AWX7007			L6207 (10.7MHz)	ATE1013
NSP	└ SENSOR PCB ASSY		AWZ7328			F6204	ATF-107
NSP	└ LED PCB ASSY		AWZ7329			F6203	ATF-119
NSP	└ SW PCB ASSY		AWZ7330			F6205	ATF1152
NSP	└ MOTOR PCB ASSY		AWZ7331				
NSP	SERVO MECHA ASSY SL		AXA7017			F6202 (450kHz)	ATF1155
	└ MECHANISM BOARD ASSY		PWX1192			L6107 (2.2μH)	ATH1043
						L6202, L6203, L6208	LCTA2R2J3225
						L6205	LCTA680J3225
TRANSFORMERS							
						T6101	ATE-063
CAPACITORS							
						C6204, C6234, C6236, C6269 (1 μF/16V)	ACG1051
						C6120	CCSCH060D50
						C6229	CCSCH102J50
						C6111, C6122	CCSQCH010C50
						C6112	CCSQCH020C50

Mark No.	Description	Parts No.	Mark No.	Description	Parts No.
C6118		CCSQCH080D50			
C6113		CCSQCH101J50			
C6116, C6208, C6221, C6222		CCSQCH150J50			
C6117		CCSQCH330J50			
C6272		CCSQSL330J50			
C6105		CCSQSL471J50			
C6101		CCSQTH110J50			
C6119		CCSQTH150J50			
C6109		CCSQTH270J50			
C6107, C6110		CCSQTH300J50			
C6106		CCSQTH330J50			
C6261		CEAS010M50			
C6224, C6231, C6233, C6246, C6262		CEAS100M50			
C6227		CEAS101M10			
C6216, C6217		CEAS330M16			
C6219		CEAS470M10			
C6243-C6245		CEAS470M16			
C6238, C6248		CEJA100M16			
C6249, C6250		CEJA4R7M35			
C6215		CFTXA103J50			
C6214		CFTXA224J50			
C6115, C6125, C6126, C6207		CKSQYB102K50			
C6102, C6114, C6121, C6124, C6210		CKSQYB103K50			
C6264		CKSQYB103K50			
C6247		CKSQYB122K50			
C6213		CKSQYB223K50			
C6230		CKSQYB273K50			
C6228		CKSQYB472K50			
C6209, C6237, C6267		CKSQYB473K50			
C6251, C6252		CKSQYB562K50			
C6212, C6218		CKSQYF103Z50			
C6220, C6226, C6239, C6242		CKSQYF223Z50			
C6255, C6256		CKSQYF223Z50			
C6235		CKSQYF224Z25			
C6225, C6241		CKSQYF473Z50			
C6123		CKSYB103K50			
C6232		CKSYB273K50			
C6223		CKSYF103Z50			
C6263		CKSYF473Z50			
RESISTORS					
VR6201 (10kΩ)		ACP1056			
VR6202		VRTBV6VS223			
R6299, R6300		RD1/6PM102J			
R6115, R6119, R6123, R6127, R6129		RS1/8S000J			
R6268-R6271, R6275, R6276, R6278		RS1/8S000J			
R6283, R6284, R6293, R6294, R6297		RS1/8S000J			
R6302, R6303		RS1/8S000J			
R6243, R6244		RS1/8S101J			
R6211, R6239		RS1/8S103J			
R6237		RS1/8S122J			
R6209		RS1/8S221J			
R6112		RS1/8S473J			
Other Resistors		RS1/10S□□□J			
OTHERS					
BN6201	AM RF TUNING BLOCK 2P TERMINAL WITH PAL	AXX7005			
CN6201	14P SOCKET	AKA1017			
X6203 (7.200MHz)		KP200LA14L			
X6201 (456kHz)		ASS1042			
X6202 (450kHz)		ASS1066			
		ATF1027			
PRE. AMP ASSY					
SEMICONDUCTORS					
	IC3103	BU4053BC			
△	IC3003	ICP-N15			
△	IC3005, IC3006	ICP-N38			
△	IC3201	LA2232			
△	IC3001	NJM7812FA			
	Q3109, Q3202	2SA1048			
	Q3106	2SA854S			
	Q3005	2SB1238X			
△	Q3102, Q3111, Q3113, Q3201	2SC2458			
△	Q3001, Q3002	2SD1858X			
	Q3115, Q3116	2SD2144S			
	Q3101, Q3114	DTA124ES			
	Q3107, Q3203	DTC124ES			
	D3007, D3011	1SS254			
	D3012	MTZJ36A			
	D3009	MTZJ5.1B			
	D3008	MTZJ6.8B			
△	D3001-D3006, D3014-D3018	S5688G			
COILS AND FILTERS					
	L3004, L3005	LAU010J			
CAPACITORS					
	C3204	CCCCH271J50			
	C3011, C3013, C3208, C3210	CEAS100M50			
	C3004, C3006	CEAS101M16			
	C3012, C3019	CEAS101M35			
	C3007-C3010	CEAS101M50			
	C3003	CEAS102M16			
	C3017	CEAS102M25			
	C3001	CEAS102M35			
	C3202	CEAS220M50			
	C3002	CEAS470M16			
	C3005, C3014	CEAS471M10			
	C3201, C3209, C3211	CEAS4R7M50			
	C3504, C3803, C3807-C3809	CKCYB102K50			
	C3811, C3812, C3901-C3904	CKCYB102K50			
	C3205	CKCYB103K50			
	C3203, C3206, C3813	CKCYB332K50			
	C3215	CKCYB682K50			
	C3804, C3805	CKCYF103Z50			
	C3212	CKCYF223Z50			
	C3207	CKCYX103M16			
	C3213, C3214	CKCYX333M16			
RESISTORS					
	VR3201 (4.7kΩ)	RCP1020			
	R3009	RD1/VM272J			
	R3001, R3005	RD1/VM821J			
	R3006, R3007	RD1/VM8R2J			
	R3008	RD1/4VM472J			
	Other Resistors	RD1/6PM□□□J			
OTHERS					
	CABLE HOLDER (13P)	51063-1305			
	CABLE HOLDER (14P)	51063-1405			
	CN3103 CONNECTOR (14P)	9176B-14L			
	HEAT SINK	ANH-575			
	X3201 (456kHz)	ASS7001			

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Mark No.	Description	Parts No.	Mark No.	Description	Parts No.
CN3002	SCREW CONNECTOR (15P)	BBZ30P080FZK	△ D2027		S5688G
CN3001	SOCKET (18P)	KPE15	COILS AND FILTERS	L2201-L2204 (5.3 μ H)	ATH-059
KN3001	EARTH METAL FITTING	RKP1717	SWITCHES AND RELAYS	RY2301	ASR7007
		VNF1084	CAPACITORS		
IC3301		PD4715A	C2020 (0.01 μ F/150V)	ACG1005	
Q3302		2SC2458	C2960, C2961	CCCCH101J50	
Q3301		DTC124ES	C2943-C2946	CCCCH220J50	
D3301-D3304, D3306, D3307		1SS254	C2024	CCCSL101J50	
D3305		MTZJ6.8B	C2019, C2101, C2102, C2109-C2112	CEAS100M50	
COILS AND FILTERS			C2118, C2119	CEAS100M50	
L3301		LAU2R2J	C2015, C2016	CEAS220M16	
SWITCHES AND RELAYS			C2301	CEAS221M16	
S3301-S3309		ASG1051	C2405, C2406, C2413, C2414	CEAS2R2M50	
CAPACITORS			C2411, C2412	CEAS470M16	
C3302 (0.047F/5.5V)		ACH1246	C2018, C2021	CEAS470M50	
C3305, C3307, C3314, C3316		CEJA010M50	C2013, C2014	CEAS471M16	
C3301		CEJA470M16	C2302	CEJA100M50	
C3309-C3311		CKPUYB101K50	C2303	CFTXA104J50	
C3313		CKPUYB102K50	C2418	CFTXA184J50	
C3304		CKPUYF103Z25	C2113-C2115	CGCYX104M16	
C3315		CKPUYF223Z25	C2401, C2402, C2901, C2902	CKCYB102K50	
C3303		CKPUYF473Z16	C2920-C2922, C2924, C2925	CKCYB102K50	
			C2951, C2952, C2959, C2962	CKCYB102K50	
			C2407, C2408	CKCYB152K50	
RESISTORS					
All Resistors		RD1/6PM□□□J	C2028	CKCYB332K50	
OTHERS			C2120, C2121, C2923	CKCYB471K50	
CABLE HOLDER (13P)		51063-1305	C2409, C2410	CKCYB562K50	
CABLE HOLDER (14P)		51063-1405	C2211-C2214	CKCYF473Z50	
V3301 FL INDICATOR TUBE		RAW1141	C2106, C2108	CQMA102J50	
X3301 (4.19MHz)		VSS1028	C2103, C2104	CQMA103J50	
			C2117	CQMA562J50	
			C2105, C2107	CQMA683J50	
			C2011, C2012 (2200 μ F/63V)	RCH1144	
■ STEREO AMPLIFIER (A-P5500)					
MAIN ASSY			RESISTORS		
SEMICONDUCTORS			△ R2215, R2216	RD1/4PMFL101J	
△ IC3102		BU4052BCF	R2011, R2012	RS2LMFR22J	
△ IC2016		ICP-N10			
△ IC2311, IC2401		NJM4558M			
△ IC2101		PM0006A			
Q2318		2SA1015	Other Resistors	RD1/4PU□□□J	
△ Q2302, Q2307		2SA1048			
△ Q2011, Q2012		2SB1238X			
△ Q2013, Q2017		2SB1238X			
△ Q2303-Q2306, Q2316		2SC2458			
△ Q2014, Q2312		2SD1858X			
△ Q2016, Q2301, Q2315, Q2402		DTA124ES			
△ Q2015, Q2317, Q2319, Q2401		DTC124ES			
△ D2012, D2015, D2019, D2026		1SS254			
△ D2304, D2305, D2307-D2312		1SS254			
△ D2320, D2401, D2402		1SS254			
△ D2011		D3SBA20 (B)			
△ D2021		MTZJ10B			
△ D2020		MTZJ30B			
△ D2016		MTZJ6.2B			
△ D2013, D2014, D2018, D2022, D2023		S5688G			
			KN2011	EARTH METAL FITTING	VNF1084

Mark No.	Description	Parts No.	Mark No.	Description	Parts No.
VR ASSY					
SEMICONDUCTORS			SEMICONDUCTORS		
IC2131		NJM4558M	△ IC2011		NJM78M05FA
Q2134, Q2135		2SA1015			
Q2136, Q2137		2SC1815			
COILS AND FILTERS			H. P ASSY		
L2951		LAUR22J	CAPACITORS		
CAPACITORS			C2904, C2905		CKCYF103Z50
C2910, C2911		CCCSL101J50			
C2144		CEAS220M16	RESISTORS		
C2137, C2138		CEASR22M50	R2213, R2214		RS2LMF331J
C2143		CGCYX104M16	OTHERS		
C2147, C2148		CKCYB221K50	CABLE HOLDER (5P)		51052-0500
C2141, C2142		CKCYF473Z50	CN2204	HEADPHONE JACK	AKN1004
C2145, C2146		CKCYX393M16			
RESISTORS					
VR2131 (100k Ω-Bx2)		RCX1057	AC. CONNECT ASSY		
Other Resistors		RD1/6PM□□□J	COILS AND FILTERS		
OTHERS			△ L2001		ATF-151
CN2401 SOCKET (13P)		KP200IA13L	CAPACITORS		
CONNECT ASSY			△ C2001 (10000pF/250V)		ACG7020
SEMICONDUCTORS			OTHERS		
△ IC2012, IC2013		ICP-N70	H2003, H2004 FUSE CLIP		AKR1003
CAPACITORS					
C2022, C2023		CKCYB222K50	DISPLAY ASSY		
OTHERS			SEMICONDUCTORS		
CABLE HOLDER (12P)		51063-1205	IC2502-IC2504		NJM4558M
			IC2501		PDC033A
			Q2502, Q2506, Q2507		2SC2458
			Q2504		DTA124ES
			Q2501, Q2503, Q2505		DTC124ES
POWER AMP ASSY					
SEMICONDUCTORS			D2501, D2503, D2505-D2507		1SS254
IC2201		STK401-090	D2601-D2605		1SS254
Q2213		2SA992	D2508, D2509		MTZJ6.2B
Q2211, Q2212		2SC1845	D2502		SLR-342VRT31
CAPACITORS			COILS AND FILTERS		
C2216, C2217		CCCH030C50	L2501		
C2907, C2958		CCCSL101J50			
C2209, C2210		CEAS100M63			
C2207, C2208		CEAS101M63			
C2205, C2206		CEAS470M50			
C2201, C2202		CEASR22M50	SWITCHES AND RELAYS		
C2215		CGCYX104M16	S2501-S2509		ASG1051
C2926		CKCYB222K50			
C2203, C2204		CKCYB471K50	CAPACITORS		
C2908, C2909		CKCYF103Z50	C2504		CEJA010M50
RESISTORS			C2507		CEJA220M50
△ R2209, R2210		RD1/4PMFL101J	C2503		CEJAR22M50
Other Resistors		RD1/4PU□□□J	C2505		CFTXA224J50
OTHERS			C2509		CKPUYB101K50
CN2206 11P PLUG		KM250NA11L			
△ TH2311 THERMISTOR		REX1006	C2506, C2613, C2614		CKPUYB471K50
			C2603, C2606		CKPUYF103Z25
			C2604, C2605		CKPUYF223Z25
			C2501, C2508, C2601, C2602, C2609		CKPUYF473Z16
			C2612, C2615		CKPUYF473Z16
			C2610, C2611		CKPUYX152M16
			C2607, C2608		CKPUYX472M16
RESISTORS					
All Resistors					RD1/6PM□□□J

XS-P5500

Mark No.	Description	Parts No.	Mark No.	Description	Parts No.
OTHERS			L1303, L1304 [3.3mH (252kHz)] F1201, F1202	RTF1019 RTF1208	
CN2501	FFC CONNECTOR (25P)	52044-2545			
	REMOTE RECEIVER UNIT	GP1U27X			
V2501	FL INDICATOR TUBE	RAW1149			
X2501 (6.00MHz)		VSS1045			
REC. OUT ASSY			TRANSFORMERS		
SEMICONDUCTORS			T1501		ATX-043
IC2801		NJM4558M			
Q2801, Q2802		2SD2144S			
CAPACITORS			CAPACITORS		
C2809, C2810		CEAS100M50	C1509, C1510 C1301, C1302 C1151, C1152 C1953, C1954 C1253, C1254	CCCSL101K500 CCCSL221K500 CCSQCH100D50 CCSQCH101J50 CCSQCH151J50	
RESISTORS			C1401, C1403 C1303, C1304 C1103, C1104 C1008, C1183, C1184, C1217, C1218 C1251, C1283, C1284, C1317, C1318	CCSQCH560J50 CCSQSL681J50 CEANL100M16 CEAS010M50 CEAS010M50	
All Resistors		RD1/6PM□□□J	C1219, C1252, C1402, C1507, C1771 C1211, C1212 C1003, C1004 C1305, C1306 C1007, C1105, C1106, C1109, C1110	CEAS100M50 CEAS101M10 CEAS222M16 CEAS2R2M50 CEAS330M16	
OTHERS		AKB7010	C1281, C1282, C1311, C1312 C1319, C1320, C1505, C1506, C1701 C1005, C1006, C1009, C1010 C1203, C1204, C1215, C1216 C1213, C1214	CEAS330M16 CEAS330M16 CEAS471M10 CEAS4R7M50 CEASR68M50	
△ CN2801	2P PIN JACK		C1209, C1210, C1503, C1504 C1501 C1502 C1113, C1114 C1107, C1108	CFTXA103J50 CFTXA123J50 CFTXA152J50 CFTXA681J50 CFTXA682J50	
■ STEREO DOUBLE CASSETTE DECK (CT-P5500WR)			C1307, C1308 C1001, C1002, C1020, C1021 C1121, C1951, C1952, C1955-C1958 C1960-C1965, C1971, C1972 C1703, C1772	CFTXA823J50 CKCYF473Z50 CKSQYB102K50 CKSQYB102K50 CKSQYB103K50	
△ IC1101		BU4066BCF	C1404 C1309, C1310 C1313-C1316	CKSQYB104K25 CKSQYB182K50 CKSQYB333K25	
△ IC1201		CXA1101P	C1181, C1182 C1101, C1102	CKSQYB391K50 CKSQYB561K50	
△ IC1021, IC1022		ICP-N38			
△ IC1202, IC1401		NJM4558DX			
△ IC1102, IC1301		NJM4558M			
△ IC1001		NJM7806FA			
△ IC1002		NJM7906FA			
△ IC1701		PD6167A			
△ Q1001, Q1004		2SA1048			
△ Q1503		2SB1238X			
Q1854		2SB1425			
Q1002, Q1003, Q1101, Q1102		2SC2458			
Q1252-Q1255, Q1301, Q1302		2SC2458			
Q1771, Q1772		2SC2458			
Q1501, Q1502, Q1504		2SD1302			
△ Q1807, Q1857		2SD1858X			
Q1303, Q1304, Q1481, Q1482		2SD2144S			
Q1151, Q1152		2SK373			
Q1305, Q1483, Q1506, Q1761-Q1764		DTA124EK			
△ Q1812		DTA124EK			
Q1852		DTA124EK			
Q1751-Q1754		DTA124ES			
Q1181-Q1184, Q1505, Q1765, Q1855		DTC124EK			
Q1755		DTC124ES			
D1151-D1156, D1181, D1182		1SS254			
D1251, D1252, D1401, D1402		1SS254			
D1761, D1762, D1802-D1805		1SS254			
D1852-D1854, D1856, D1858, D1860		1SS254			
D1857		MTZJ3.0B			
△ D1001-D1005, D1801, D1851		S5688G			
COILS AND FILTERS			R1504 R1506 R1203, R1204 R1951, R1952 R1119, R1120, R1212, R1214	RD1/2VM4R7J RD1/2VM680J RD1/4MUF223J RD1/6PM391J RD1/6PM820J	
L1951		LAU010J			
L1851		LAU470J			
L1502		LFA222J			
L1301, L1302		LTA103J			
L1181, L1182		LTA562J			
			R1321, R1322 Other Resistors	RD1/6PM820J RS1/10S□□□J	

Mark No.	Description	Parts No.	Mark No.	Description	Parts No.
OTHERS					
	CABLE HOLDER (9P)	51063-0905	L301		LAU1R2J
	CABLE HOLDER (15P)	51063-1505	L951		LAU2R2J
CN1701	18P JUMPER CONNECTOR	52147-1310	COILS AND FILTERS		
CN1103	2P TOP POST	B2B-EH			
CN1702, CN1703	KR CONNECTOR	B2B-PH-K-S			
CN1102	3P TOP POST	B3B-EH	C310		CCSQCH100D50
CN1101	3P TOP POST (RED)	B3B-EH-R	C165		CCSQCH102J50
CN1001	SOCKET (18P)	RKP1717	C403, C404, C409, C410		CCSQCH121J50
	PCB BINDER	VEF1008	C312		CCSQCH220J50
KN1001	EARTH METAL FITTING	VNF1084	C405-C408		CCSQCH271J50
X1701 (4.19MHz)		ASS1022	C401, C402		CCSQCH391J50
			C26		CEAS010M50
			C351		CEAS330M16
			C22		CEAS331M16
			C21		CEAS332M16
TC. FUNC ASSY					
SEMICONDUCTORS					
D1901-D1903		1SS254	C23, C25		CEAS471M6R3
D1908		SLR-332VRT31	C156, C158, C411, C412		CEAS4R7M50
D1904, D1906, D1907		SLR-342MCT31	C354		CEASR22M50
D1905		SLR-342YCT31	C309		CEASR47M50
			C11, C12		CKCYF103Z50
SWITCHES AND RELAYS					
S1901-S1909		ASG1051	C385, C951		CKSQYB102K50
			C153, C160, C161, C163, C201		CKSQYB103K50
			C308		CKSQYB103K50
			C154, C155, C157, C159		CKSQYB104K25
			C211, C212		CKSQYB104K25
RESISTORS					
All Resistors		RD1/6PM□□□J	C306, C413, C414		CKSQYB152K50
			C164, C386		CKSQYB332K50
			C152, C162		CKSQYB333K25
			C166		CKSQYB472K50
			C307		CKSQYB473K25
TC HALF1 ASSY					
SEMICONDUCTORS					
D1951-D1953		SLR-342MCT31	C151		CKSQYB561K50
OTHERS					
J1702	CONNECTOR ASSY (2P)	RKP1510	C311		CKSQYF102Z50
			C167, C171, C172, C241-C245		CKSQYF103Z50
			C305, C314, C353, C355		CKSQYF103Z50
			C320, C421, C422		CKSQYF104Z25
TC HALF2 ASSY					
SEMICONDUCTORS					
D1961-D1963		SLR-342MCT31	C13		CKSQYF473Z50
OTHERS					
J1703	CONNECTOR ASSY (2P)	RKP1510	C304		CKSYF105Z16
■ COMPACT DISC PLAYER (PD-P5500)					
CD. MAIN ASSY					
SEMICONDUCTORS					
IC151		CXA1372Q	CN151	FPC CONNECTOR (12P)	12FMZ-ABT
IC301		CXD2508AQ	CN201	MT CONNECTOR (4P)	173981-4
△ IC22		ICP-N10	CN202	6P JUMPER CONNECTOR	52147-0610
△ IC201		LA6517	CN351	18P JUMPER CONNECTOR	52147-1310
△ IC202		LA6520	CN11	SOCKET (15P)	AKP1090
IC401		NJM4558DX	X301 (33.868MHz)		ASS7000
△ IC11		NJM78M05FA	CN301	6P TOP POST	B6P-SHF-1AA
IC351		PD4706A	JA301	OPTICAL OUTPUT JACK	TOTX178
Q11		2SB1237X		PCB BINDER	VEF1008
Q12		2SC2458	KN310	EARTH METAL FITTING	VNF1084
Q433, Q434		2SD2144S			VSS1028
Q431, Q432		DTA124EK			
Q351		DTC124EK			
D201		MTZJ6.8B			
△ D11-D14		S5688G	X351 (4.19MHz)		
CD. FUNC1 ASSY					
SEMICONDUCTORS					
Q501-Q505			Q501-Q505		DTC143EK
D501-D503			D501-D503		ISS254
D515			D515		SLR-332VRT31
			D511-D514, D516-D519		SLR-342MCT31

XS-P5500

Mark No.	Description	Parts No.
SWITCHES AND RELAYS S502, S503, S505, S506		ASG1051
RESISTORS All Resistors		RS1/10S□□□J
CD. FUNC2 ASSY		
SWITCHES AND RELAYS S501, S504, S507		ASG1051
SENSOR PCB ASSY		
SEMICONDUCTORS Q601, Q602		PS3062
RESISTORS All Resistors		RD1/6PM□□□J
LED PCB ASSY		
SEMICONDUCTORS D601, D602		AN306
RESISTORS All Resistors		RD1/6PM□□□J
SW PCB ASSY		
SWITCHES AND RELAYS S601		DSG1017
MOTOR PCB ASSY		
MOTOR PCB Assy has no service part.		
MECHANISM BOARD ASSY		
SWITCHES AND RELAYS S610		DSG1016
OTHERS CN610 MT CONNECTOR (4P)		173979-4

5. ADJUSTMENTS

5.1 STEREO TUNER SECTION (F-P5500RDS)

■ FM Tuner Section

- Set the mode selector to FM BAND.
- Connect the wiring as shown in Fig. 1-1.

Step No.	Adjustment Title	FM SG (1kHz, ±75kHz dev.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (MHz)	Level (dB μ V)			
1	Center Adjustment	98	80	98MHz	L6207	Adjust so that the DC voltage between IC6201-Pin 4 and Pin 28 (or \oplus leads of C6224 and C6261) becomes 0V±50mV.
2	Front End Sensitivity Adjustment	106	Low Input (0 to 30)	106MHz	L6104 L6105 L6102 T6101	After adjusting L6104 and L6105 so that the DC voltage between IC6201-Pin12 and GND (or \oplus leads of C6238 and GND) becomes at maximum level, adjust T6101 and L6102.
3	Stereo Distortion	98	80	98MHz	T6101	Minimize the distortion with 1/8 rotation of the core.
4	TUNED IND. Lighting Level	98	15 (\pm 2dB)	98MHz	VR6201	Adjust so that the indicator of TUNED IND. starts to light up.

Notes:

- Before adjusting, make sure there is no gap between L6101 and L6102 and between L6103 and L6104. If there is a gap between them, bring them into contact with each other first, and then make adjustments.
- Make indicator adjustments in order of AM → FM.
- Adjustment sequence: L6104 → L6105 → L6102 → T6101

■ AM Tuner Section

- Set the mode selector to AM BAND.
- Connect the wiring as shown in Fig. 1-1.

Step No.	Adjustment Title	AM SG (400Hz, 30% Mod.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (kHz)	Level (dB μ V/m)			
1	TUNED IND. Lighting Level	999 *1	47 (\pm 2dB)	999kHz *1	VR6202	Adjust so that the indicator of TUNED IND. starts to light up.

Note *1: For the area using 10kHz step, frequencies should be 1000 kHz

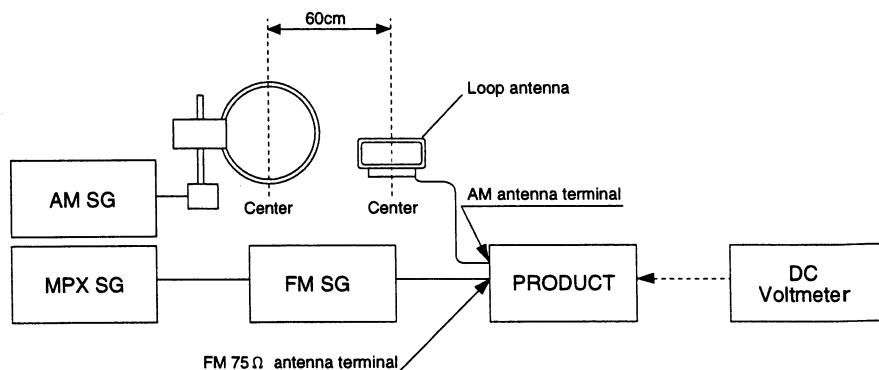


Fig. 1-1 AM and FM Adjustment Wiring Diagram

FM/AM TUNER MODULE (AXQ7014)

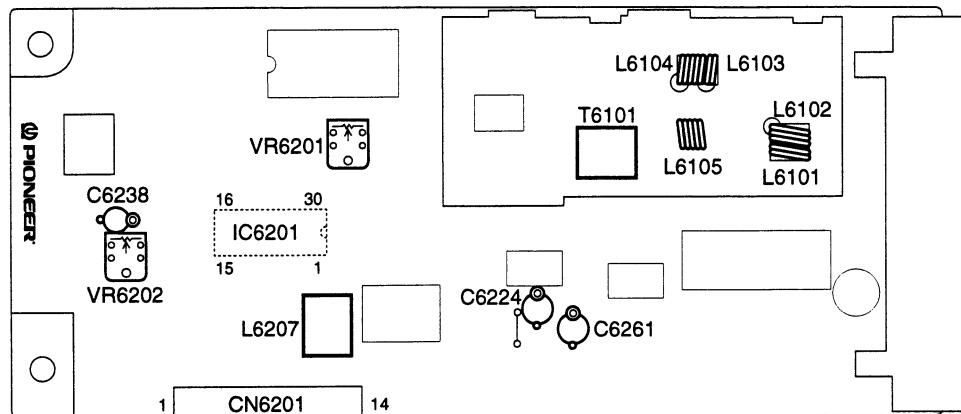


Fig. 1-2 Adjustment Points

■ RDS Adjustment

- Setting the RDS-Signal generator (*1).
- Set the mode selector to FM BAND.
- Connect the wiring as shown in Fig. 1-3.

Note *1: Audio Main 1 kHz, 85%
Pilot 10% RDS 1.6%
SK 4.7%

Step No.	Adjustment Title	FM SG (1kHz, ±75kHz dev.)		Reception Frequency Display	Adjustment Location	Specifications
		Frequency (MHz)	Level (dB μ V)			
1	RDS (BPF) Level	88	60	88 MHz	VR3201	Adjust so that the Waveform of TP3201 (RDS test point) becomes at maximum. (Photo 1)

Note: Entry into RDS mode is done by switching to the FM band and entering an RDS signal from FM (RDS) SG to the FM 75 Ω antenna terminal.

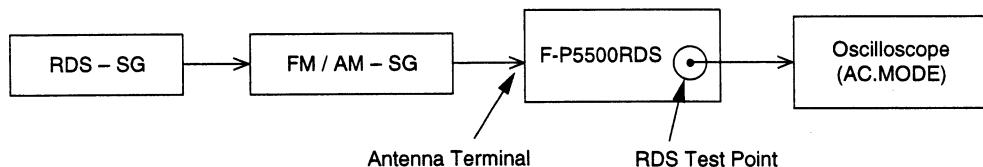


Fig. 1-3 RDS Adjustment Wiring Diagram

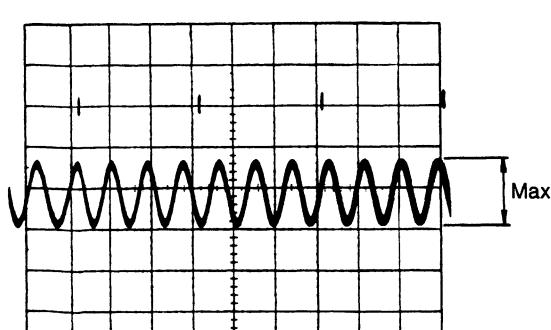


Photo 1

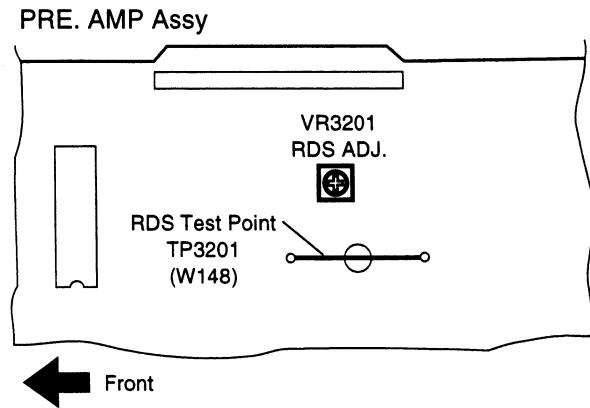


Fig. 1-4 Adjustment Points

5.2 STEREO DOUBLE CASSETTE DECK SECTION (CT-P5500WR)

- Adjustment points and test points are shown in Fig. 2-3 and Fig. 2-4.

1. Test Mode

(1). Test mode outline

The test modes are the test mode 1 for execution of special operations and the test mode 2 with MUTE operation in the same way as for a single cassette deck.

(2). Test mode 1

■ Entry into test mode 1

Switch on the power supply while short-circuit the jumper wires JP1 and JP2 in the TC. MAIN assy (refer to Fig. 2-4), and afterwards disconnect the jumper wires.

■ Operation in test mode 1

- The REC LED flashes during test mode 1.
- Flashing of the I/II KEY SEL indication shows the operating mechanism.
- LINE MUTE opens in the same way as for the single cassette deck also during REC and REC PAUSE.
- The mechanism can operate independent of the presence or absence of tape.
- When the tape type detection switch for the mechanism on the side where the I/II KEY SEL indication does not flash is set to ON, the I/II KEY SEL for that side will light.

■ Cancellation method for test mode 1

When the ASES/COPY key is pressed twice with both mechanisms in STOP condition, test mode 1 is cancelled and normal operation will be executed.

However, when this key is pressed once, the mode shifts from test mode 1 to test mode 2.

(3). Test mode 2

■ Entry into test mode 2

Press the ASES/COPY key once in the test mode 1 with both mechanisms in STOP condition.

■ Operation in test mode 2

- The REC LED flashes. (The flashing is more rapid than in test mode 1).
- In REC and REC PAUSE condition, LINE MUTE opens in the same way as for the single cassette deck.

Otherwise, normal operation and indication are executed.

■ Cancellation method for test mode 2

Press the ASES/COPY key or switch off the power supply.

2. Mechanical Adjustment

- Please execute this adjustment in test mode 1.
- Test tape: STD-301 (3 kHz, 30 min).
- The ground at the time of adjustment shall be W207 (refer to Fig. 2-4).

1. Tape Speed Adjustment

No.	Mode	Test Tape	Adjusting Points	Measurement Points	Adjustment Procedure	Remarks
1	Deck II PLAY	STD-301 (Playback: 3kHz)	TC. MAIN Assy VR1851	CN1001-Pin15 (L) or Pin16 (R) (TC. MAIN Assy)	Set the test tape to mechanism unit II, press the PLAY SW and adjust so that the reading becomes 3000Hz ±5Hz.	

3. Electrical Adjustment

- Please execute this adjustment in test mode 2.
- The ground at the time of adjustment shall be W207 (refer to Fig. 2-4).

Check the following before starting.

1. Confirm that the tape speed adjustment has been completed.
2. Clean the heads and demagnetize them using a head eraser.
3. Set the measurement level to 0 dBV = 1 Vrms.
4. When A-P5500 and F-P5500RDS are not connected to CN1001, connect load resistors of $22k\Omega$ each ($21k\Omega$ to $23k\Omega$) to pin 15 and pin 16.
5. Use the specified tape for adjustment. Use the labeled (A) side of the test tape.
STD-331E: For playback adjustment
STD-631 or STD-632: Normal blank tape
6. Provide yourself with the following measuring devices:
 - AC millivoltmeter
 - Low-frequency oscillator
 - Attenuator
 - Oscilloscope
7. Adjust both right and left channels unless otherwise specified.
8. Turn the DOLBY NR switch off unless otherwise specified.
9. Warm up the unit for several minutes before adjustment. In particular, be sure to warm up the unit in the REC/PLAY mode for 3 to 5 minutes before starting recording/playback frequency characteristics adjustment.
10. Always follow the indicated adjustment order.
Otherwise, a complete adjustment may not be achieved.

Playback Adjustment (Decks I and II)

1. Head Azimuth Adjustment
2. Playback Level Adjustment

Recording Adjustment (Deck II)

1. Recording Bias Adjustment
2. Recording Level Adjustment

* As the reference recording level is 250nwb/m for STD-331E, the recording level will be higher by 4 dB for STD-331B (160nwb/m). When adjusting, pay careful attention to the type of tape used.

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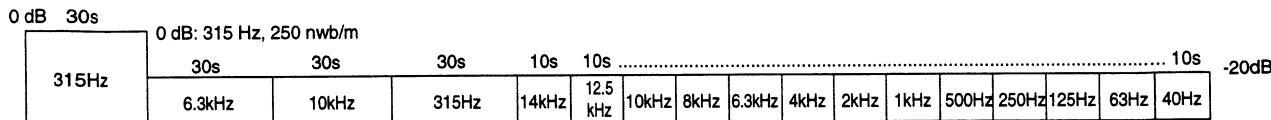
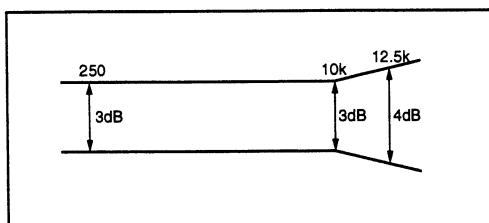


Fig. 2-1 STD-331E Test Tape

PLAY BACK



RECORDING

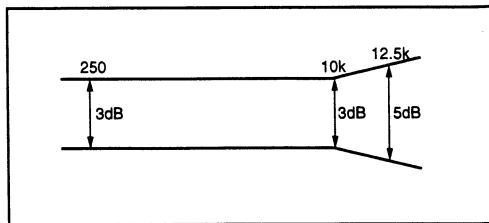


Fig. 2-2 Frequency Characteristics

■ Before Adjustment

Removal of the azimuth covers (L) and (R)

1. Open the door panels (L) and (R).
2. Press the section Ⓐ (recessed part) on the inside of the door panels (L) and (R) with a flat screwdriver as shown in the figure.
3. Confirm that the azimuth covers (L) and (R) have come a little to the front, and then close the door panels (L) and (R).
4. Insert a flat screwdriver at the lower side of the azimuth covers (L) and (R) and pull them to the front.

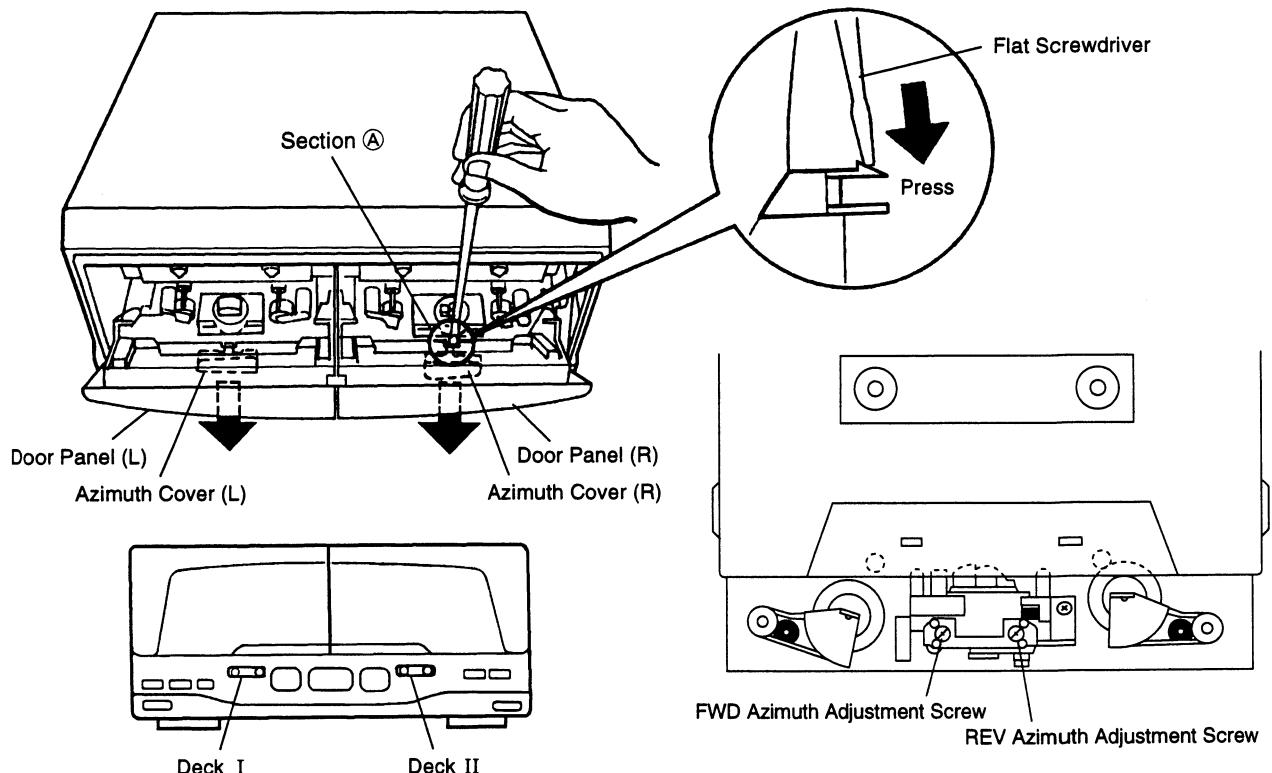


Fig. 2-3 Head Azimuth Adjustment

■ Playback Adjustment

1. Head Azimuth Adjustment

- This unit is equipped with auto tape selector.
- Do not switch between forward and reverse operation with the screwdriver inserted.

Step	Tape Selector (AUTO)	Mode	Input Signal/ Test Tape	Adjusting Points		Measurement Points	Adjustment Value	Remarks
1	NORMAL	PLAY	STD-331E test tape (Playback: 10kHz, -20dB)	Deck I	Head azimuth adjustment screw (Fig. 2-3)	CN1001 Pin15 (L) or Pin16 (R) (TC. MAIN Assy)	Max. playback signal level	After adjustment, apply silicon bond to the head azimuth adjustment screw.
					Deck II			

2. Playback Level Adjustment

- Since this adjustment determines playback Dolby NR level, perform it carefully.

Step	Tape Selector (AUTO)	Mode	Input Signal/ Test Tape	Adjusting Points		Measurement Points	Adjustment Value	Remarks
1	NORMAL	PLAY	STD-331E test tape (Playback: 315Hz, 0dB)	Deck I	VR1181 (Lch) VR1182 (Rch)	TP1 (L ch) TP2 (R ch) (TC. MAIN Assy)	- 11.2 dBV	
					Deck II			

XS-P5500

■ Recording Adjustment

1. Recording Bias Adjustment

- After the adjustment, caution should be exercised so as not to become under bias by checking the distortion rate.

Step	Tape Selector (AUTO)	Mode	Input Signal/Test Tape	Adjusting Points	Measurement Points	Adjustment Value	Remarks
1	NORMAL	REC/PAUSE	Input a 315Hz signal to the MD/CD II terminal and set the input selector to MD/CD II.	Input signal level	CN1001 Pin15 (L) and Pin16 (R) (TC. MAIN Assy)	-26.0 dBV	Repeat adjustment until playback level of the 10kHz signal is within 0 ± 0.5 dB from that of the 315Hz signal.
2	NORMAL	REC→PLAY	Load the STD-631 test tape and record/playback the 315Hz and 10kHz signals. (see the Note below)	Deck I Deck II VR1501 (Lch) VR1502 (Rch)			

Note: Set the 10kHz input signal level to the same value as the 315Hz input signal level of step 1.

2. Recording Level Adjustment

Step	Tape Selector (AUTO)	Mode	Input Signal/Test Tape	Adjusting Points	Measurement Points	Adjustment Value	Remarks
1	NORMAL	REC/PAUSE	Input a 315Hz signal to the MD/CD II terminal and set the input selector to MD/CD II.	Input signal level	TP1 (L ch) TP2 (R ch) (TC. MAIN Assy)	-11.2 dBV	Repeat recording, playback and adjustment until playback level of the 315Hz signal becomes -11.2dBV.
2	NORMAL	REC→PLAY	STD-631 test tape and record/playback the 315Hz signal.	Deck I Deck II VR1301 (Lch) VR1302 (Rch)			

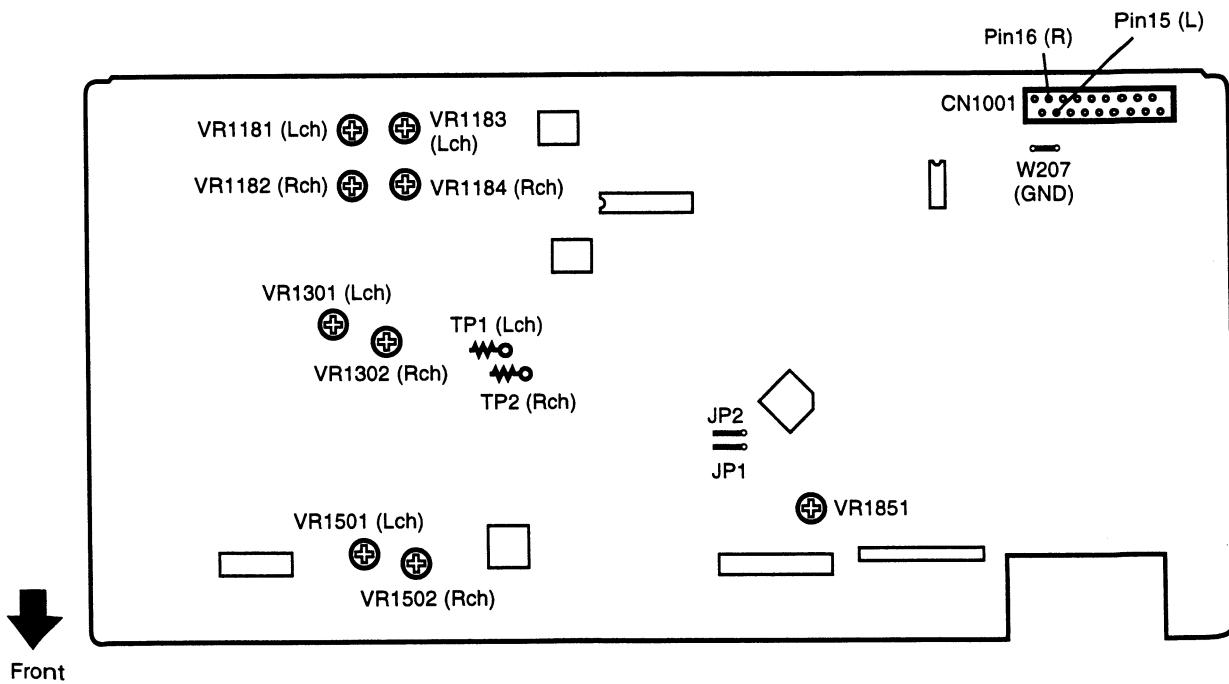


Fig. 2-4 Adjustment and Measurement Points

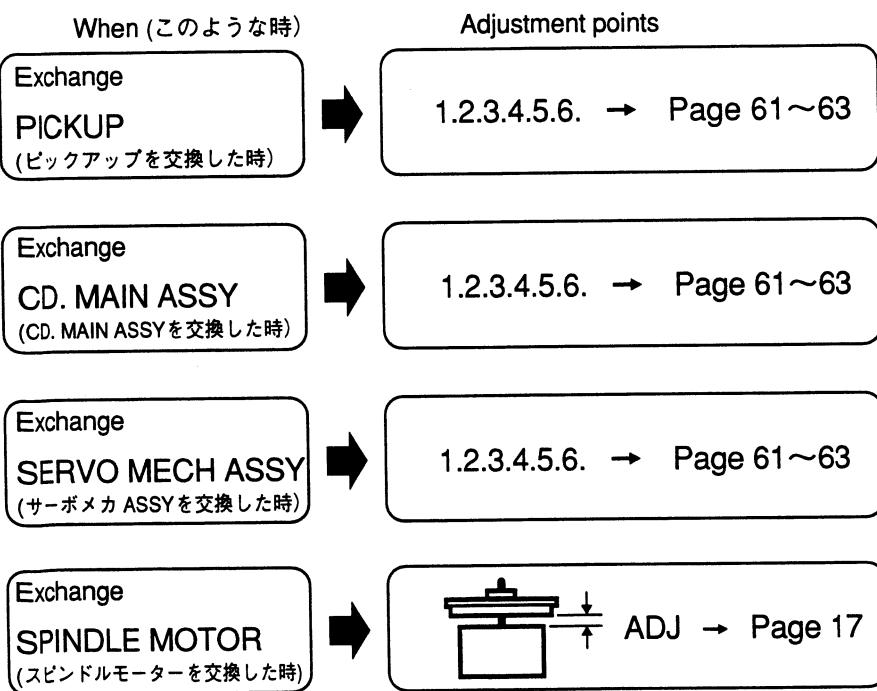
5.3 CD SECTION (PD-P5500) (CD部の調整)

1. PREPARATIONS (準備)

1.1 Jigs and Measuring Instruments (使用測定器/治工具類)

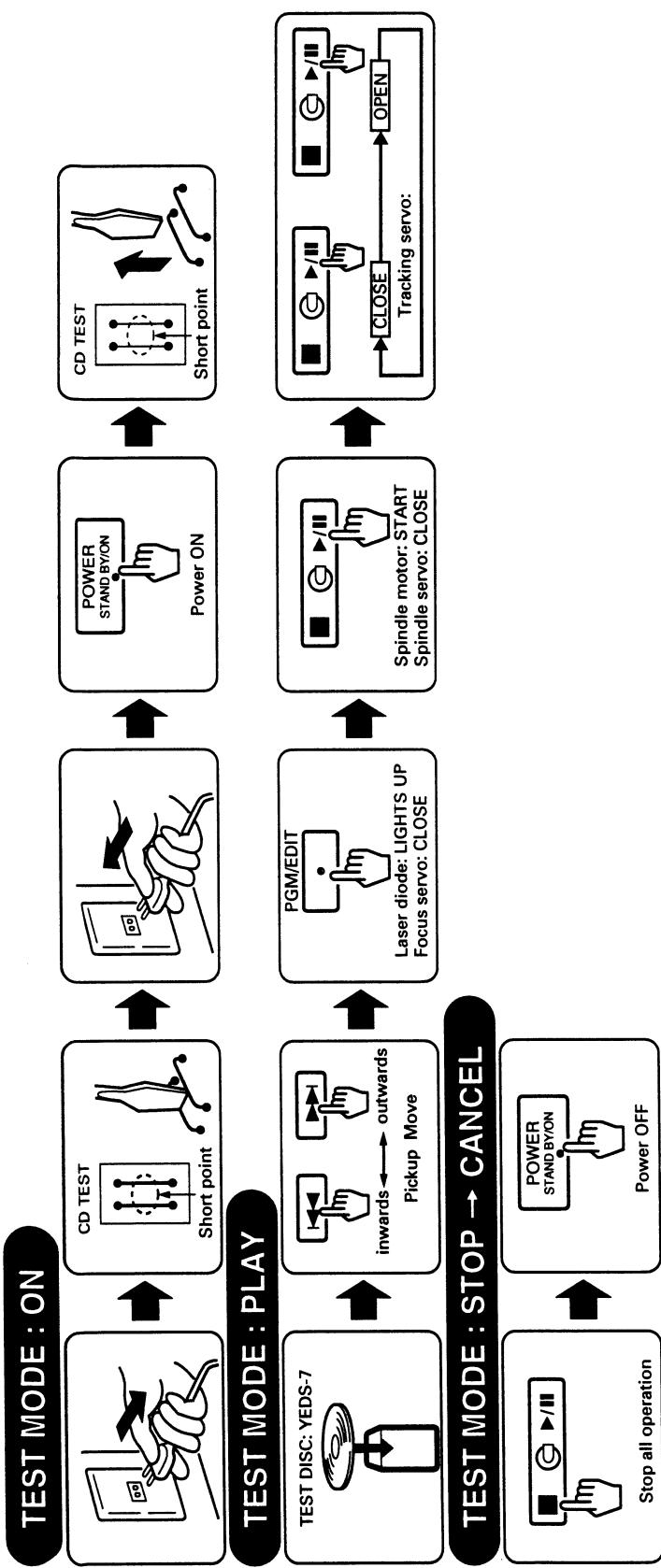
8-cm DISC (With at least about 20 minutes recording) (20分程度信号の 入ったディスク)	CD TEST DISC (YEDS-7)	⊖ Precise screwdriver	⊖ screwdriver (small)	⊕ screwdriver (medium)
				 39 kΩ 0.001 μF Low pass filter (39 kΩ + 0.001 μF)
Ball point hexagon wrench (size: 1.5mm) GGK1002 ボールポイント付 六角 ドライバー(対辺 1.5mm)	⊕ screwdriver (large)	Low-frequency oscillator	Dual-trace oscilloscope (10 : 1 probe)	

1.2 Necessary Adjustment Points (調整に必要な項目)

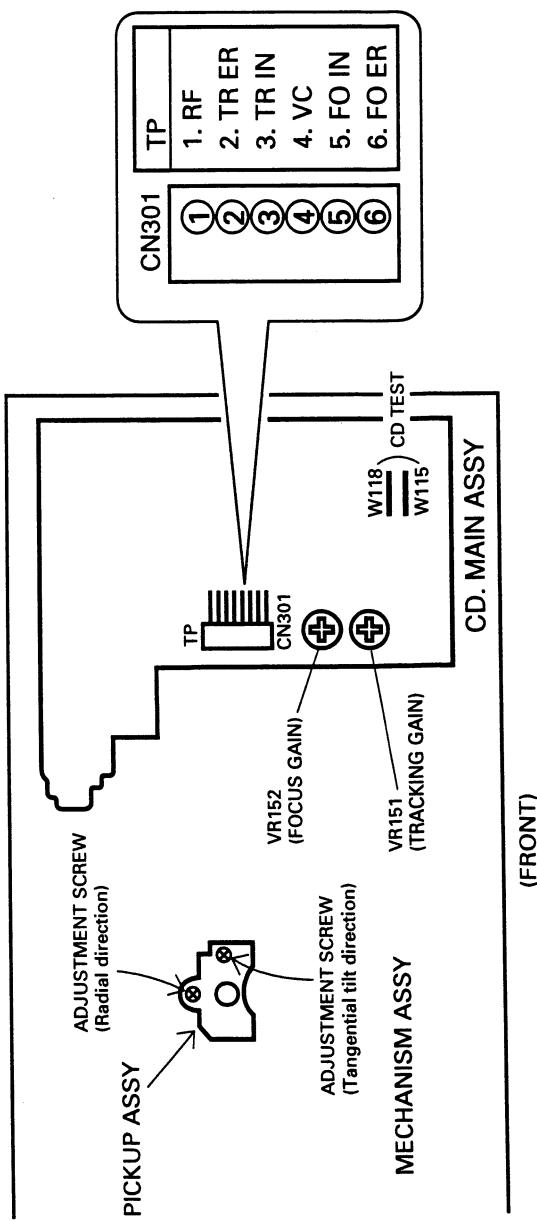


2. ADJUSTMENT (調整)

2.1 How to Start/Cancel Test Mode (テストモードの設定/解除)



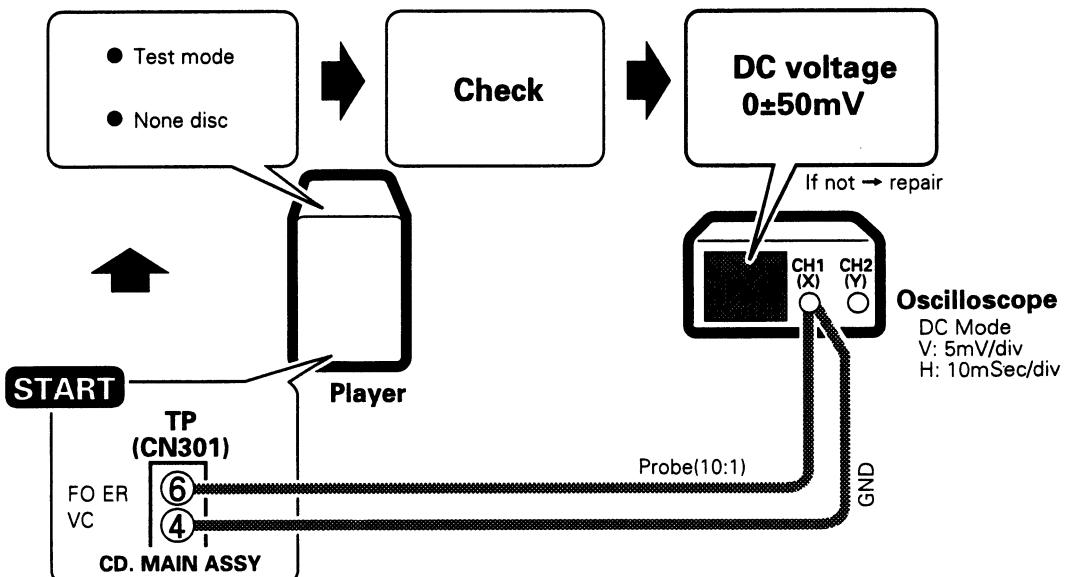
2.2 Adjustment Locations (テストポイントと調整用VRの位置) (REAR)



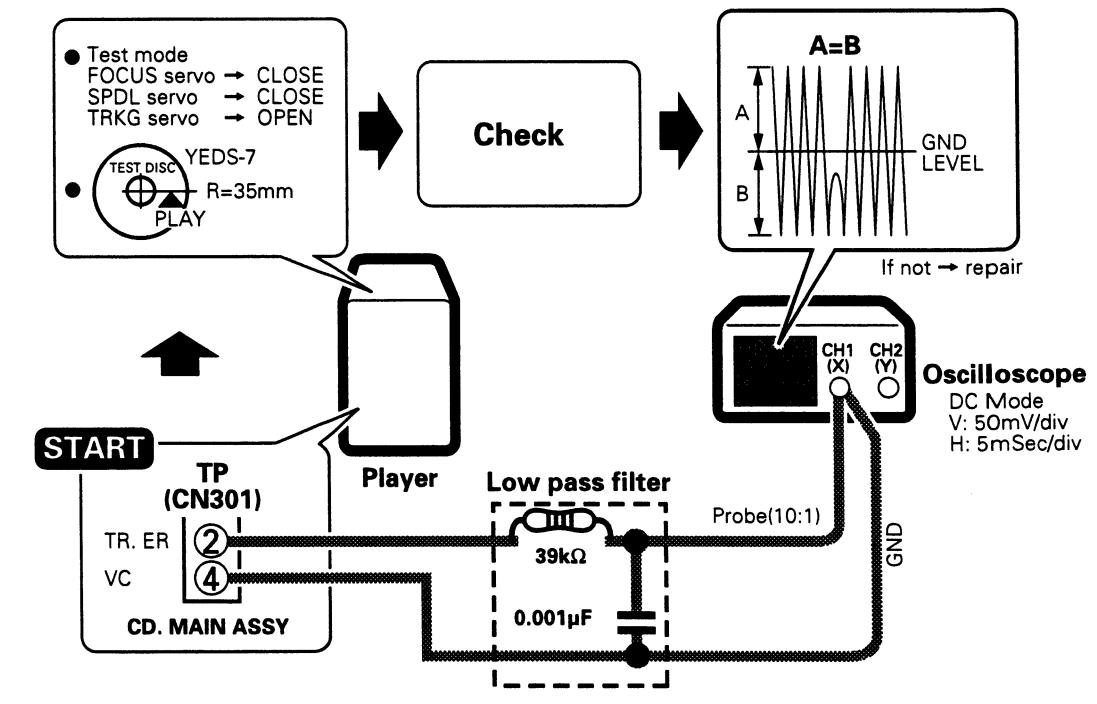
2.3 Check and Adjustment (確認、調整)

1. Focus Offset Check

(フォーカスオフセット確認)

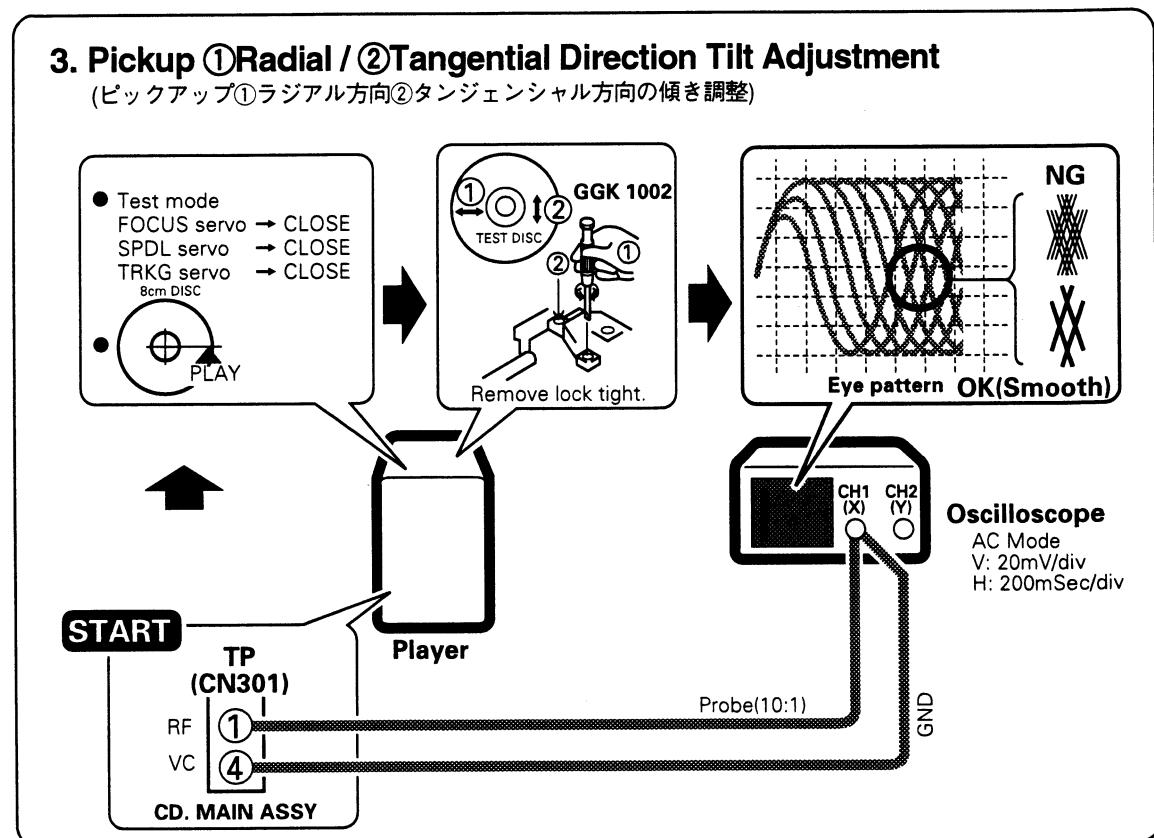
**2. Tracking Error Balance Check**

(トラッキングエラーバランス確認)



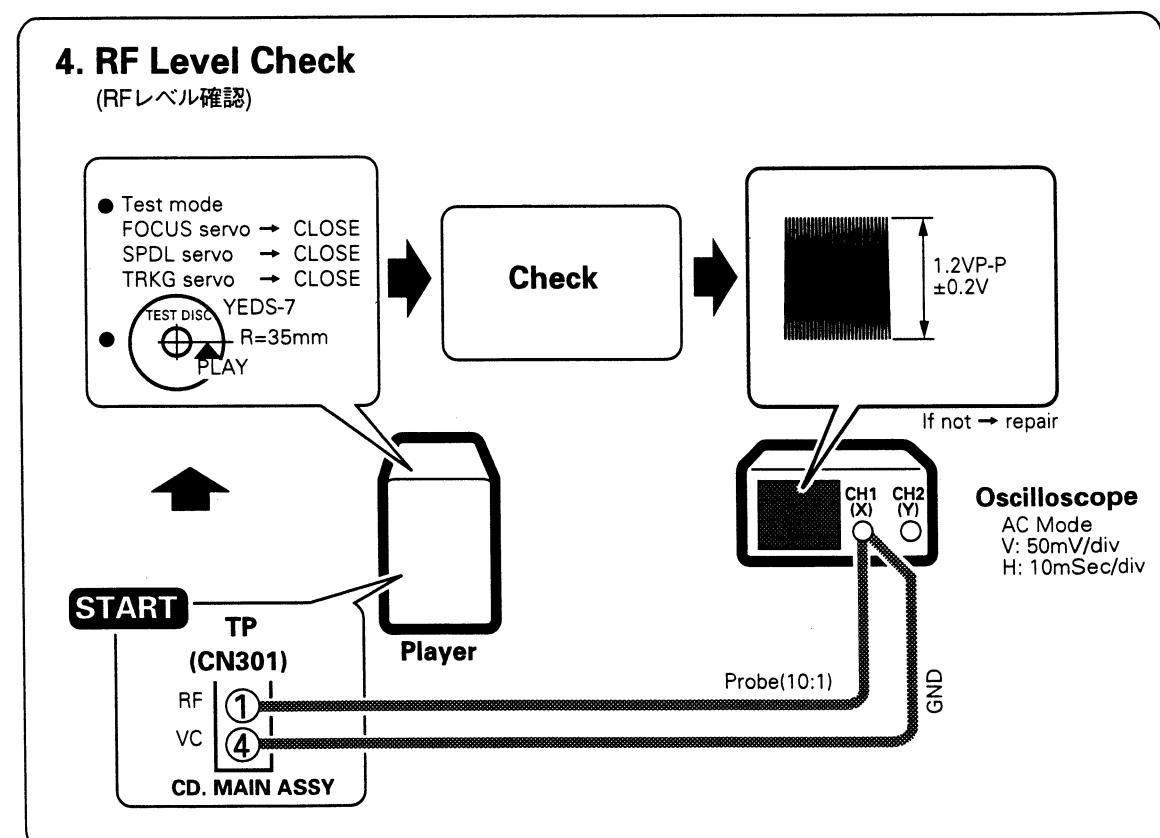
3. Pickup ①Radial / ②Tangential Direction Tilt Adjustment

(ピックアップ①ラジアル方向②タンジェンシャル方向の傾き調整)



4. RF Level Check

(RFレベル確認)



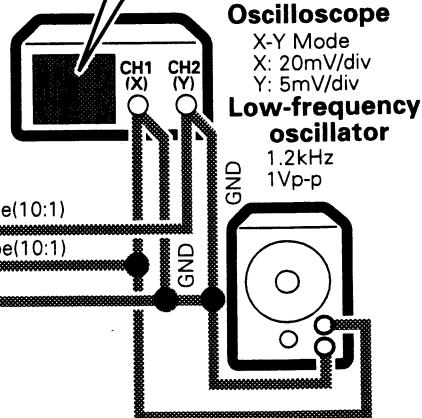
5. Focus Servo Loop Gain Adjustment

(フォーカスサーボループゲイン調整)

- Test mode
FOCUS servo → CLOSE
SPDL servo → CLOSE
TRKG servo → CLOSE
- TEST DISC YEDS-7
R=35mm
PLAY



Lissajous Waveform



START

TP (CN301)

FO ER
FO IN
VC
CD. MAIN ASSY

Player

Probe(10:1)

Probe(10:1)

GND

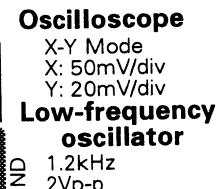
6. Tracking Servo Loop Gain Adjustment

(トラッキングサーボループゲイン調整)

- Test mode
FOCUS servo → CLOSE
SPDL servo → CLOSE
TRKG servo → CLOSE
- TEST DISC YEDS-7
R=35mm
PLAY

CD.MAINT ASSY

Lissajous Waveform



START

TP (CN301)

TR IN
TR ER
VC
CD. MAIN ASSY

Player

Probe(10:1)

Probe(10:1)

GND

Low pass filter

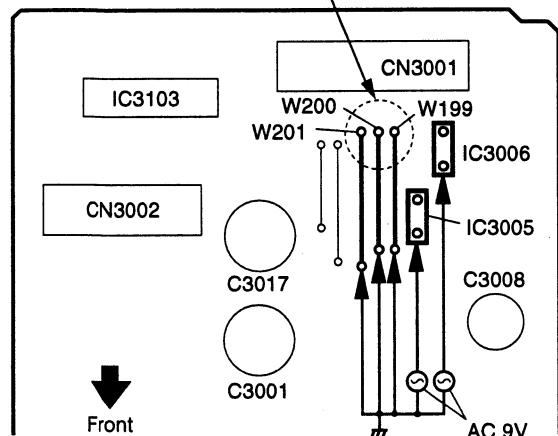
6. SINGLE OPERATION METHOD

- As this product is a system product, operation with assembled components.
- When single operation can not be avoided, supply power etc. according to the following method.
The Stereo amplifier (A-P5500) operates by itself.

6.1 STEREO TUNER (F-P5500RDS)

For Tuner operation by itself, connect the three jumper wires shown in the figure. After the end of the operation, these connections must be returned to the original condition.

PRE. AMP ASSY

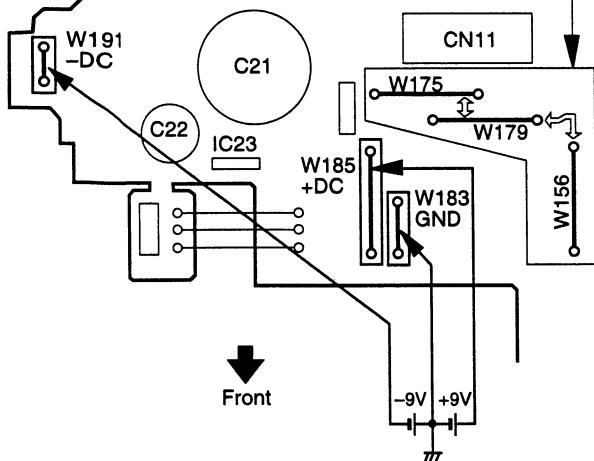


Provide the above potentials to the jumper wires of the figure.

6.2 COMPACT DISC PLAYER (PD-P5500)

For CD Player operation by itself, connect the three jumper wires shown in the figure. After the end of the operation, these connections must be returned to the original condition.

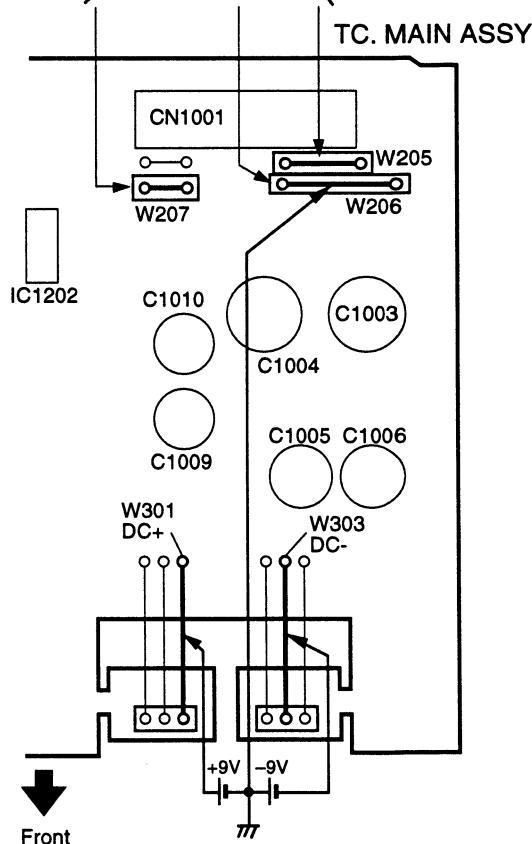
CD. MAIN ASSY



Provide the above potentials to the jumper wires of the figure.

6.3 STEREO DOUBLE CASSETTE DECK (CT-P5500WR)

For Cassette Deck operation by itself, connect the three jumper wires shown in the figure. After the end of the operation, these connections must be returned to the original condition.



Provide the above potentials to the jumper wires of the figure.

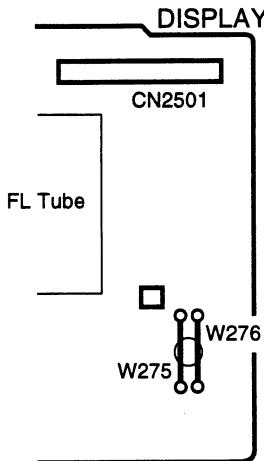
6.4 STEREO AMPLIFIER (A-P5500)

■ Use of Service Mode

This is used to check external input (MD/CD2, PHONO) for the amplifier by itself.

How to enter the service mode

- With the plug pulled from the power outlet, short-circuit (W275 and W276) the service terminal on the DISPLAY assy.



- Maintain the condition of "1" and supply AC power. The power will be switched on automatically and the function will become MD/CD2. The present function status will be displayed in the 7-segment time column of the front FL.
- After power ON, remove the terminal short-circuit bridge. (Otherwise key operation can not be executed.)
- The function status can be changed by body key operation. The relation between key operation and FL display is shown in Table 1.

KEY	Mode	Indication	FUNC A	FUNC B
[WAKE UP]	MD/CD2	Au	H	L
[TIMER REC]	PHONO	PH	H	H
[+]	DECK	dE	L	L
[-]	CD(TX)	Cd	L	H

Table 1 Front Panel Key Operation and Function Mode

The other front keys [SFC], [P. BASS] and [ST WIDE] operate normally.

Service mode cancellation

Switch off the power once and then switch it on again normally. The function set in service mode remains memorized until the plug is pulled out of the power outlet.

Notes)

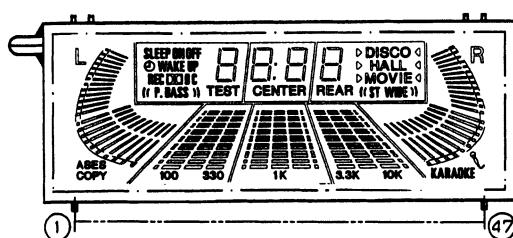
- Always use this mode only for the amplifier by itself. (System operation does not operate normally.)
- After cancellation of service mode according to the above method, the FL indication becomes DISPLAY OFF mode (the mode where the spectrum analyzer and the level meter part are not displayed). For display of spectrum analyzer and level meter, push the [+] key of the unit in POWER-OFF condition to switch the DISPLAY mode.

7. FL INFORMATION

■ RAW1149 [V2501: DISPLAY ASSY (A-P5500)]

● FL Indicator Tube

● Pin Assignment



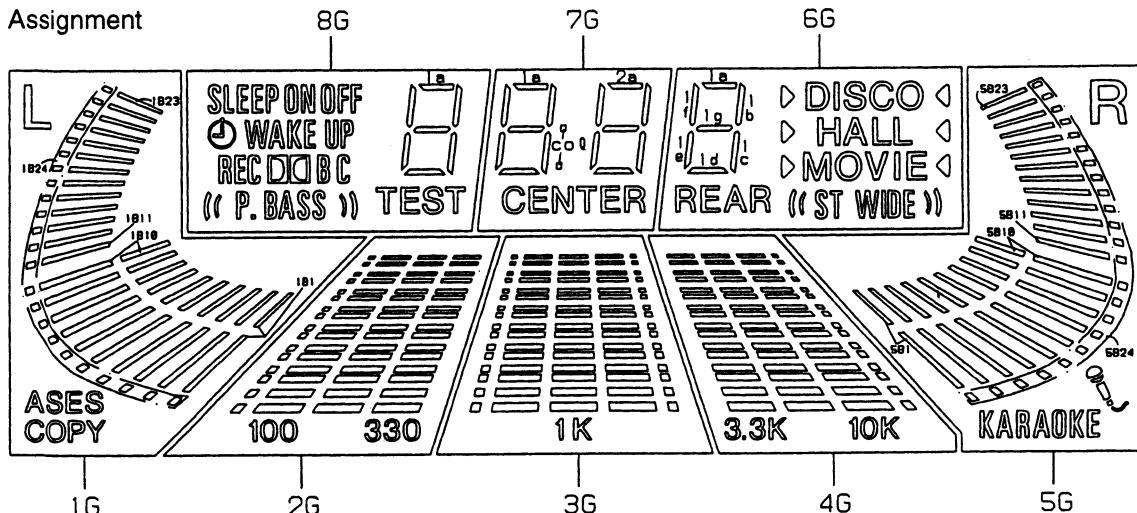
NOTE	
1]	F1, F2 Filament
2]	NP No pin
3]	NC No connection
4]	DL Datum Line
5]	1G~8G Grid

● Pin Connection

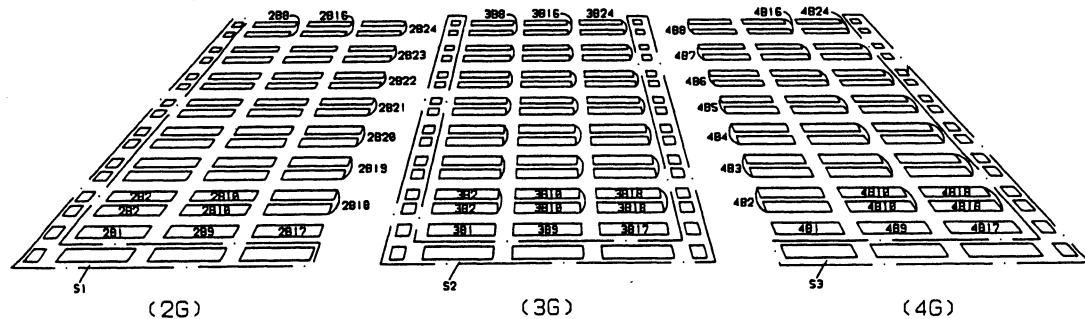
PIN NO.	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7
CONNECTION	F	F	F	N	N	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	P	F

XS-P5500

● Grid Assignment



● Segment Assignment



● Anode Connection

	1G	2G	3G	4G	5G	6G	7G	8G
P 1	L	2B8	3B8	4B8	R	1a	1a	1a
P 2	1B1	2B16	3B16	4B16	5B1	1b	1b	1b
P 3	1B2	2B24	3B24	4B24	5B2	1f	1f	1f
P 4	1B3	2B7	3B7	4B7	5B3	1g	1g	1g
P 5	1B4	2B15	3B15	4B15	5B4	1c	1c	1c
P 6	1B5	2B23	3B23	4B23	5B5	1e	1e	1e
P 7	1B6	2B6	3B6	4B6	5B6	1d	1d	1d
P 8	1B7	2B14	3B14	4B14	5B7	REAR	2a	TEST
P 9	1B8	2B22	3B22	4B22	5B8	▷ (DISCO) ◁	2b	SLEEP
P 10	1B9	2B5	3B5	4B5	5B9	DISCO	2f	ON
P 11	1B10	2B13	3B13	4B13	5B10	▷ (HALL) ◁	2g	OFF
P 12	1B11	2B21	3B21	4B21	5B11	HALL	2c	⌚
P 13	1B12	2B4	3B4	4B4	5B12	▷ (MOVIE) ◁	2e	WAKE UP
P 14	1B13	2B12	3B12	4B12	5B13	MOVIE	2d	REC
P 15	1B14	2B20	3B20	4B20	5B14	((ST WIDE))	col	DIO
P 16	1B15	2B3	3B3	4B3	5B15	((ST WIDE))	CENTER	B
P 17	1B16	2B11	3B11	4B11	5B16	-	-	C
P 18	1B17	2B19	3B19	4B19	5B17	-	-	((P.BASS))
P 19	1B18	2B2	3B2	4B2	5B18	-	-	((P.BASS))
P 20	1B19	2B10	3B10	4B10	5B19	-	-	-
P 21	1B20	2B18	3B18	4B18	5B20	-	-	-
P 22	1B21	2B1	3B1	4B1	5B21	-	-	-
P 23	1B22	2B9	3B9	4B9	5B22	-	-	-
P 24	1B23	2B17	3B17	4B17	5B23	-	-	-
P 25	1B24	S1	S2	S3	5B24	-	-	-
P 26	ASES	100	330	1K	3.3K	10K	KARAOKE ↴	-
P 27	COPY	-	-	-	-	-	-	-

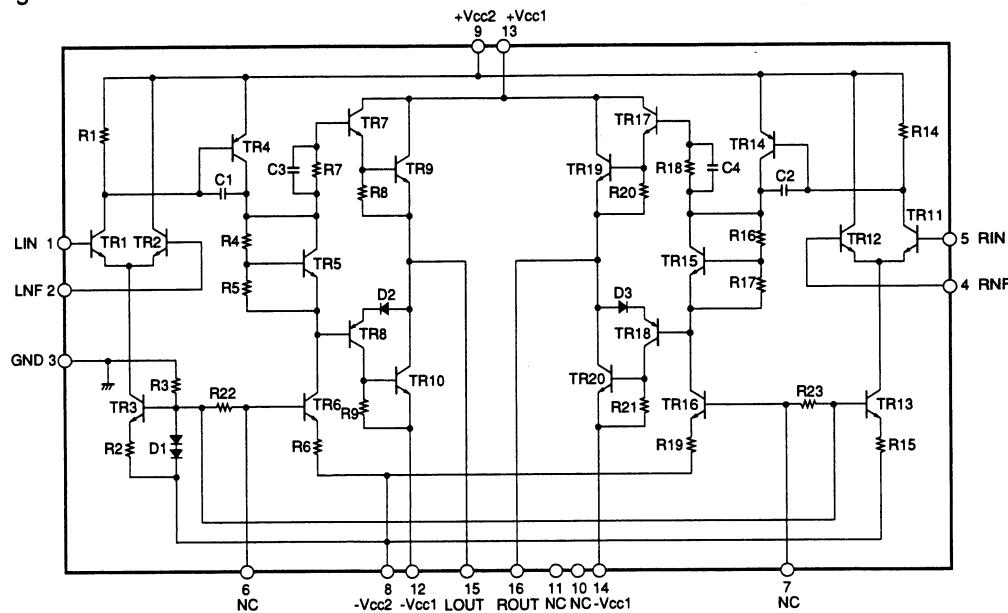
8. IC INFORMATION

- The information shown in the list is basic information and may not correspond exactly to that shown in the schematic diagrams.

■ STK401-090 [IC2201 : POWER AMP ASSY (A-P5500)]

- 2-ch AF Power Amplifier

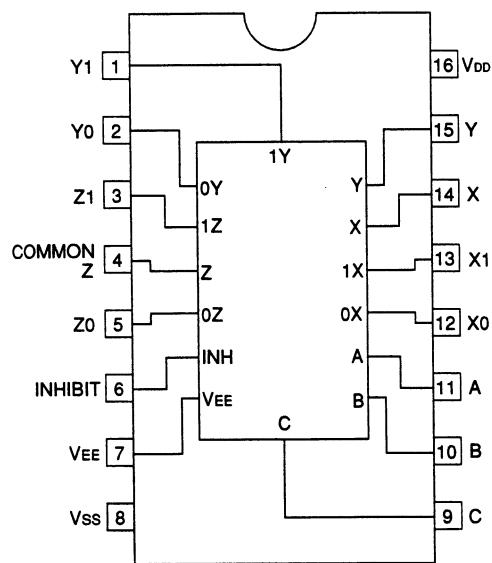
- Block Diagram



■ BU4053BC [IC3103 : PRE. AMP ASSY (F-P5500RDS)]

- Triple 2-ch Analog Multiplexer

- Block Diagram (Top view)

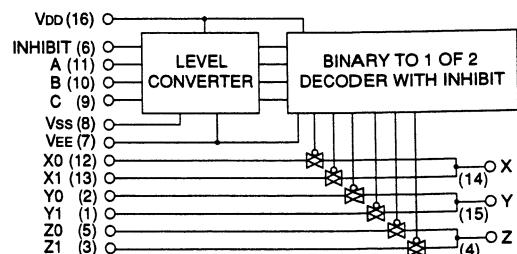


- Truth Table

INHIBIT	A	B	C	ON SWITCH
L	L	L	L	X0 Y0 Z0
L	H	L	L	X1 Y0 Z0
L	L	H	L	X0 Y1 Z0
L	H	H	L	X1 Y1 Z0
L	L	L	H	X0 Y0 Z1
L	H	L	H	X1 Y0 Z1
L	L	H	H	X0 Y1 Z1
L	H	H	H	X1 Y1 Z1
H	X	X	X	NONE

X : Don't Care

- Logic Diagram

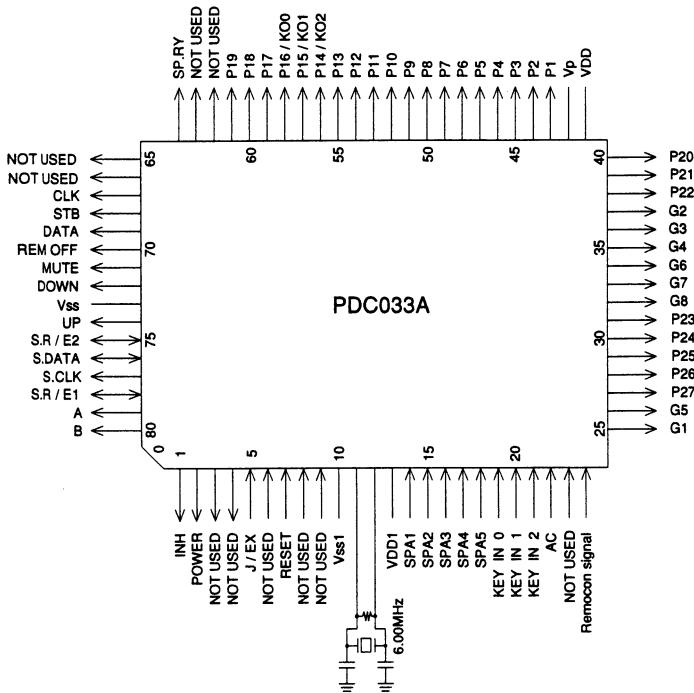


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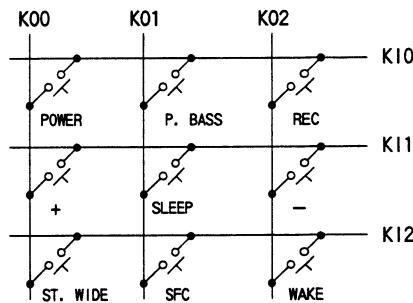
■ PDC033A [IC2501 : DISPLAY ASSY (A-P5500)]

● System Control Micro-computer

● Pin Assignment (Top view)



● Key Matrix



● Pin Function

No.	Pin Name	Pin Function	I/O	Description	Logic
1	P17	INH	O	BU4052 function INHIBIT output	H
2	P30	POWER	O	Power control output	H
3	P31	NOT USED	O	Not used (Open)	
4	P32	NOT USED	O		
5	P33	J/EX	I	Destination input (J/EX)	L
6	P70	NOT USED	I	Not used (internal pull-up) (Connected to +5V.)	
7	RES	RESET	I	Reset input	
8	P74	NOT USED	I	Not used (Connected to +5V.)	
9	P75	NOT USED	I		
10	VSS1	VSS	—	Connected to GND.	
11	CF1	—	—	Main System clock (6MHz) Connected to ceramic resonator.	
12	CF2	—	—		
13	VDD1	VDD	—	Connected to +5V.	
14	AN0	SPA1	I	Spectrum analyzer input (analog) 10 kHz	
15	AN1	SPA2	I	Spectrum analyzer input (analog) 3.3 kHz	

No.	Pin Name	Pin Function	I/O	Description	Logic
16	AN2	SPA3	I	Spectrum analyzer input (analog) 1 kHz	
17	AN3	SPA4	I	Spectrum analyzer input (analog) 330 Hz	
18	AN4	SPA5	I	Spectrum analyzer input (analog) 100 Hz	
19 21	P85 P87	KI0 KI2	I	Key scan · Key return input 0 Key scan · Key return input 2	
22	INT1	AC	I	AC pulse input	
23	P72	NOT USED	I	Not used (internal pull-up)	
24	INT3	RMC	I	Remote control signal input	
25	S0	G1	O	FL grid output G1	
26	S1	G5	O	FL grid output G5	
27 31	S2 S6	P27 P23	O	FL segment output P27 FL segment output P23	
32 34	S7 S9	G8 G6	O	FL grid output G8 FL grid output G6	
35 37	S10 S12	G4 G2	O	FL grid output G4 FL grid output G2	
38 40	S13 S15	P22 P20	O	FL segment output P22 FL segment output P20	
41	VDD2	VDD	—	Connected to +5V.	
42	VP	VFDP	—	Connected to power supply (-30V) for FL.	
43 55	S16 S28	P1 P13	O	FL segment output P1 FL segment output P13	
56 58	S29 S31	P14/KO2 P16/KO0	O	FL segment output P14 · Key scan output 2 FL segment output P16 · Key scan output 0	
59 61	S32 S34	P17 P19	O	FL segment output P17 FL segment output P19	
62	PE3	NOT USED	O	Not used (open)	
63	PE4	NOT USED	O		
64	PE5	SP.RY	O	Front speaker relay output	H
65	P00	NOT USED	O	Not used (open)	
66	P01	NOT USED	O		
67	P02	CLK	O	PM0006A clock output	

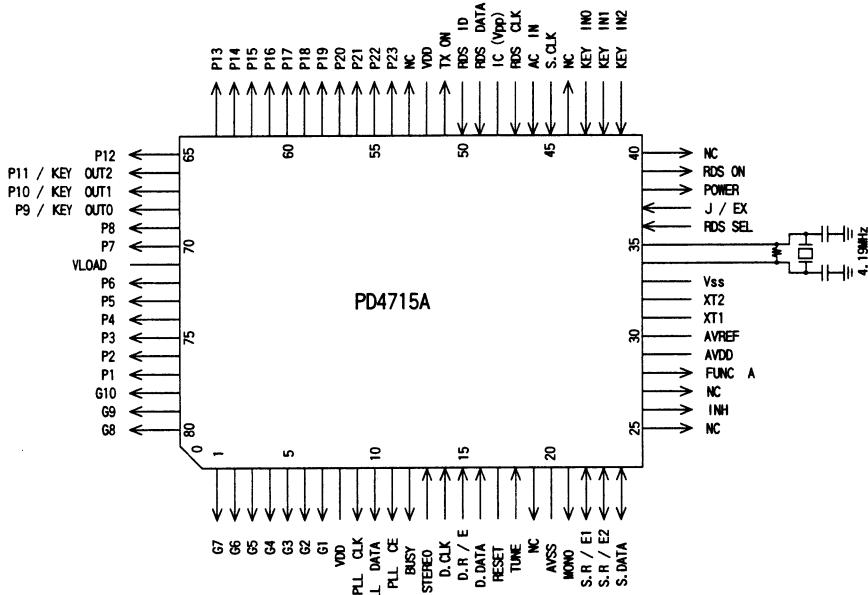
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No.	Pin Name	Pin Function	I/O	Description	Logic
68	P03	STB	O	PM0006A strobe output	
69	P04	DATA	O	PM0006A data output	
70	P05	REM OFF	O	Remote control OFF/ Control output control signal output	L
71	P06	MUTE	O	Mute output	H
72	P07	DOWN	O	Volume Motor control output (DOWN)	L
73	VSS2	VSS	—	Connected to GND.	
74	P10	UP	O	Volume Motor control output (UP)	L
75	P11	S. R/E2	I/O	Communication request/enable input/output 2 for system bus communication.	
76	P12	S. DATA	I/O	Data input/output for system bus communication.	
77	P13	S. CLK	O	Clock output for system bus communication.	
78	P14	S. R/E1	I/O	Communication request/enable input/output 1 for system bus communication.	
79	P15	A	O	BU4052 function switch A output	
80	P16	B	O	BU4052 function switch B output	

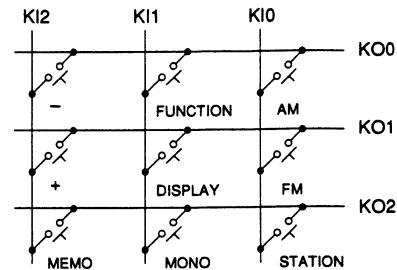
■ PD4715A [IC3301 : DISPLAY ASSY (F-P5500RDS)]

● System Control Micro-computer

● Pin Assignment (Top view)



● Key Matrix



● Pin Function

No.	Pin Name	Pin Function	I/O	Description	Logic
1 5	P94/FIP6 P90/FIP2	G7 G3	O	FL control digit output	
6	P81/FIP1	G2	O	FL control digit output	
7	P80/FIP0	G1			
8	VDD	—	—	Connected to +5V.	
9	P27/SCK0	PLL CLK	O	PLL LM7001 CLOCK output	
10	P26/SO0/SB1	PLL DATA	O	PLL LM7001 DATA output	
11	P25/SI0/SB0	PLL CE	O	PLL LM7001 CE output	H
12	P24/BUSY	BUSY	O	Busy output for system bus communication.	L
13	P23/STB	STEREO	I	STEREO receive status discrimination	L
14	P22/SCK1	D. CLK	I	Clock input for CD display data communication.	
15	P21/SO1	D. R/E	I	Communication request input for CD display data communication.	L
16	P20/SI1	D. DATA	I	Data input for CD display data communication.	
17	RESET	—	—	System reset input	L
18	P74	TUNE	I	TUNER tuning status discrimination	L
19	P73	NOT USED	O	Not used	L

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No.	Pin Name	Pin Function	I/O	Description	Logic
20	AVSS	—	—	Connected to GND.	
21	P17/ANI7	MONO	O	MONO output	H
22	P16/ANI6	S. R/E1	I/O	Communication request/enable input/output 1 for system bus communication.	
23	P15/ANI5	S. R/E2	I/O	Communication request/enable input/output 2 for system bus communication.	
24	P14/ANI4	S. DATA	I/O	Data input/output for system bus communication.	
25	P13/ANI3	NOT USED	O	Not used	L
26	P12/ANI2	INH	O	BU4053 output (INH)	H
27	P11/ANI1	NOT USED	O	Not used	L
28	P10/ANI0	FUNC A	O	BU4053 output CD/TUNER	
29	AVDD	—	—	Connected VDD.	
30	AVREF	—	—	Connected to GND.	
31	P04/XT1	NOT USED	—		
32	XT2	NOT USED	—	Not used	
33	VSS	—	—	Connected to GND.	
34	X1	—	—	Main system clock (4.19 MHz) Connected to crystal resonator.	
35	X2	—	—		
36	P37	RDS SEL	I	RDS (Yes/No) discrimination input	
37	P36/BUZ	J/EX	I	Destination (J/EX) discrimination input	
38	P35/PCL	POWER	O	Peripheral circuit power supply ON/OFF	H
39	P34/T12	RDS ON	O	RDS circuit ON/OFF	H
40	P33/T11	NOT USED	O	Not used	L
41 43	P32/TO2 P30/TO0	KI2 KI0	I	Key scan/ Key return signal input	H
44	P03/INTP3/CI0	NOT USED	O	Not used	L
45	P02/INTP2	S. CLK	I	Clock input for system bus communication.	
46	P01/INTP1	AC IN	I	AC clock input	
47	P00/INTP0/TI0	RDS CLK	I	RDS clock input	
48	IC (VPP)	—	I	Connected to GND.	
49	P72	RDS DATA	I	RDS data input	
50	P71	RDS ID	I	RDS tuning discrimination	L

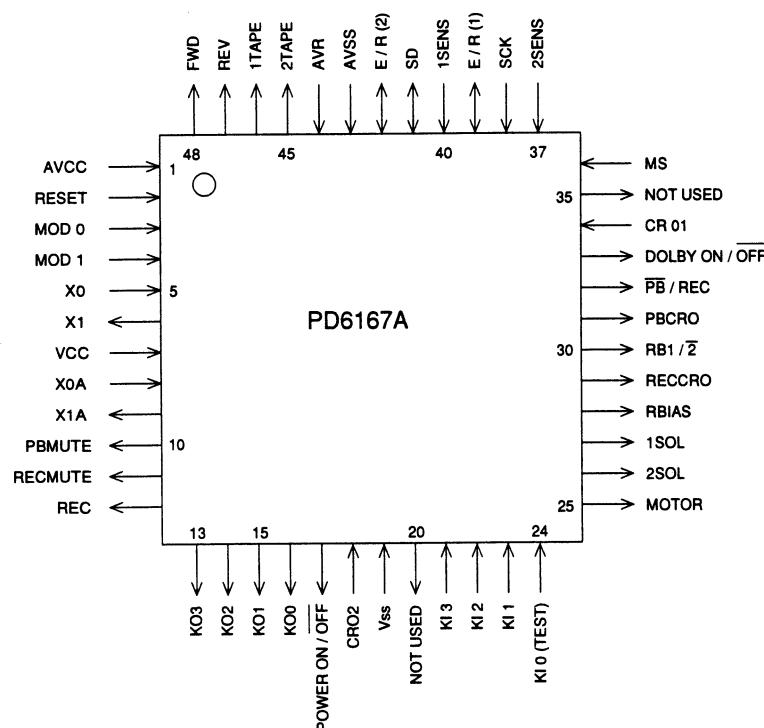
No.	Pin Name	Pin Function	I/O	Description	Logic
51	P70	TX ON	O	Tuner module ON/OFF	H
52	VDD	—	—	Connected to +5V.	
53	P127/FIP33	NOT USED	O	Not used	
54 60	P126/FIP32 P120/FIP26	P23 P17	O	FL control segment output	
61 65	P117/FIP25 P113/FIP21	P16 P12	O	FL control segment output	
66 68	P112/FIP20 P110/FIP18	P11/KO2 P9/KO0	O	FL control segment output/ Key scan strobe output	
69	P107/FIP17	P8	O	FL control segment output	
70	P106/FIP16	P7			
71	VLOAD	—	—	—	
72 77	P105/FIP15 P100/FIP10	P6 P1	O	FL control segment output	
78 80	P97/FIP9 P95/FIP7	G10 G8	O	FL control digit output	

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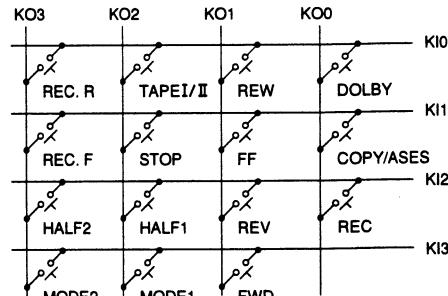
■ PD6167A [IC1701 : TC. MAIN ASSY (CT-P5500WR)]

● System Control Micro-computer

● Pin Assignment (Top view)



● Key Matrix



● Pin Function

No.	Pin Name	Pin Function	I/O	Description	Logic
1	AVCC	VCC	—	Connected to +5V.	
2	RST	—	—	Micro-computer reset input	L
3	MOD0	—	—	Connected to GND.	
4	MOD1	—	—		
5	X0	—	—	Connected to Ceramic resonator (4.19 MHz)	
6	X1	—	—		
7	VCC	—	—	Connected to +5V.	
8	X0A	—	—	Connected to GND.	
9	X1A	—	—	OPEN	
10	P27	PBMUTE	O	PB MUTE output	H
11	P26	RECMUTE	O	REC MUTE output	H
12	P25	REC (LED)	O	REC LED output	H
13 16	P24 P21	KO3 KOO	O	Key scan strobe output	H
17	P20	POWER ON	O	Peripheral circuit ON/OFF	H

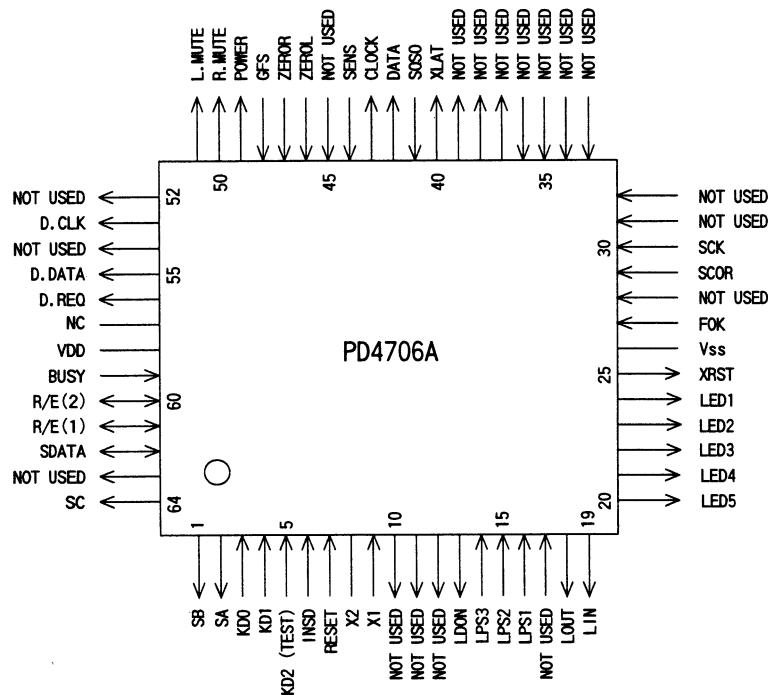
No.	Pin Name	Pin Function	I/O	Description	Logic
18	P17	CRO2	I	Mecha 2 tape type input CrO2/Normal	
19	VSS	VSS	—	Connected to GND.	
20	P16	NOT USED	O	OPEN	L
21 23	P15 P13	KI3 KI1	I	Key scan/ Key return signal input	H
24	P12	KI0 (TEST)	I	Key scan/ Key return signal input (TEST MODE)	H
25	P11	MOTOR	O	Motor ON output	H
26	P10	2SOL	O	Mecha 2 solenoid ON output	H
27	P07	1SOL	O	Mecha 1 solenoid ON output	H
28	P06	RBIAS	O	Recording bias ON output	H
29	P05	RECCRO	O	CrO2 tape type detecting output when recording	H
30	P04	PB 1/2	O	Switching playback 1/2 output	
31	P03	PBCRO	O	CrO2 tape type detecting output when playback	L
32	P02	PB/REC	O	Switching playback/recording output	
33	P01	DOLBY	O	Dolby NR ON output	H
34	P00	CRO1	I	Mecha 1 tape type input CrO2/Normal	H
35	P37/BZ	NOT USED	O	OPEN	
36	P36/INT2	MS	I	Audio signal when MS input	H
37	P35/INT1	2SENS	I	Mecha 2 reel pulse input	
38	P34/INT0	SCK	I	System bus clock input	
39	P33	E/R (1)	I/O	System bus request/enable 1 input/output	
40	P32	1SENS	I	Mecha 1 reel pulse input	
41	P31	SD	I/O	System bus data input/output	
42	P30	E/R (2)	I/O	System bus request/enable 2 input/output	
43	AVSS	VSS	—	Connected to GND.	
44	AVR	VCC	—	Connected to +5V.	
45	P43	2TAPE (LED)	O	TAPE 2 LED output	L
46	P42	1TAPE (LED)	O	TAPE 1 LED output	L
47	P41	REV (LED)	O	REV LED output	L
48	P40	FWD (LED)	O	FWD LED output	L

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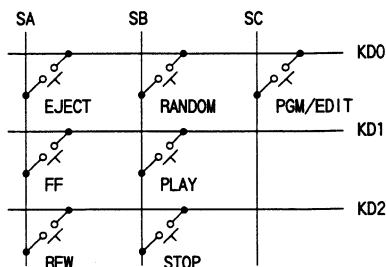
■ PD4706A [IC351 : CD. MAIN ASSY (PD-P5500)]

● System Control Micro-computer

● Pin Assignment (Top view)



● Key Matrix



● Pin Function

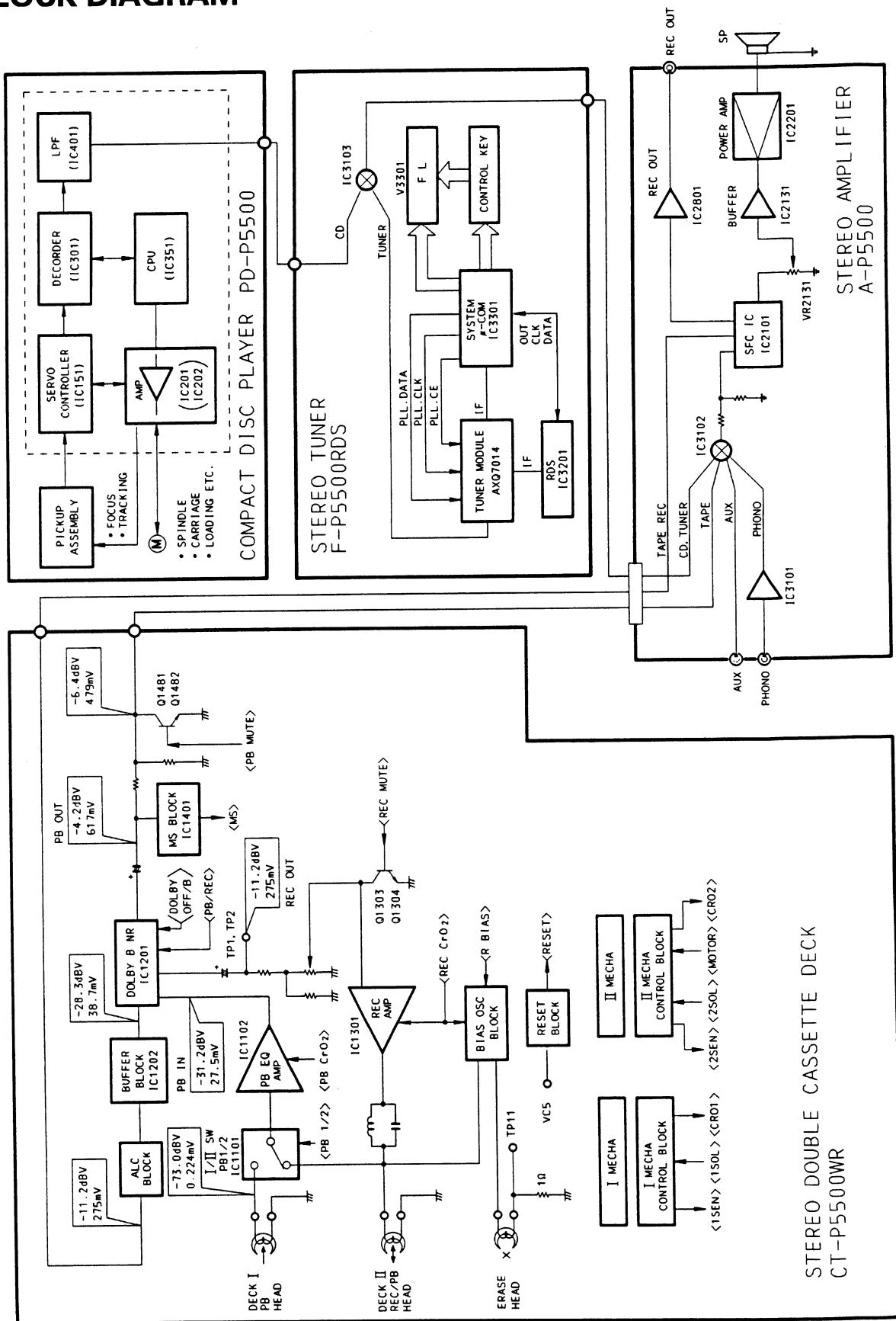
No.	Pin Name	Pin Function	I/O	Description	Logic
1	P41	SB	O	Key scan strobe output	H
2	P40	SA	O		
3	P53	KD0	I	Key scan/Key return signal input	H
4	P52	KD1	I		
5	P51	KD2 (TEST)	I	Key scan/Key return signal input (TEST MODE)	H
6	P50	INSD	I	Slider inside SW input	L
7	RESET	RESET	I	Micro-computer reset input	L
8	X2	—	—	Connected to Ceramic oscillator (4.19 MHz).	
9	X1	—	—		
10	P63 P61	NOT USED	O	Connected to GND.	L
13	P60	LDON	O	Laser diode output	L
14	P73	LPS3	I	Disc clamp OK input	L
15	P72	LPS2	I	Photo transistor input	L
16	P71	LPS1	I		

No.	Pin Name	Pin Function	I/O	Description	Logic
17	P70	NOT USED	I	Connected to GND.	
18	P83	LOUT	O	Disc OUT output	H
19	P82	LIN	O	Disc IN output	H
20	P81	LED5	O	LED ON/OFF output	H
21	P80	LED4			
22 24	P93 P91	LED3 LED1			
25	P90	XRST	O	CXD2508A reset pulse output	L
26	VSS	VSS	—	Connected to GND.	
27	P13/INT3	FOK	I	Focus OK input	H
28	P12/INT2	NOT USED	I	Connected to GND.	
29	P11/INT1	SCOR	I	Sub code sync SI + SO input	
30	P10/INT0	SCK	I	System bus clock input	
31	PTH03	NOT USED	I	Connected to GND.	
32	PTH02				
33	PTH01				
34	PTH00				
35	TI0				
36	TI1				
37 39	P23 P21	NOT USED	O	OPEN	L
40	P20	XLAT	O	CXD2508A latch pulse output	L
41	P03	SQSO	I	Sub code Q data serial input	
42	P02	DATA	O	CXD2508A control data serial output	
43	P01	CLOCK	O	CXD2508A control serial clock output	
44	P00	SENS	I	CXD2508A operating status multi-mode input	
45	P123	NOT USED	I	Connected to GND. (internal pull-up)	
46	P122	ZEROL	I	Non audio detection input (Lch)	H
47	P121	ZEROR	I	Non audio detection input (Rch)	H
48	P120	GFS	I	Frame sync lock OK input	H

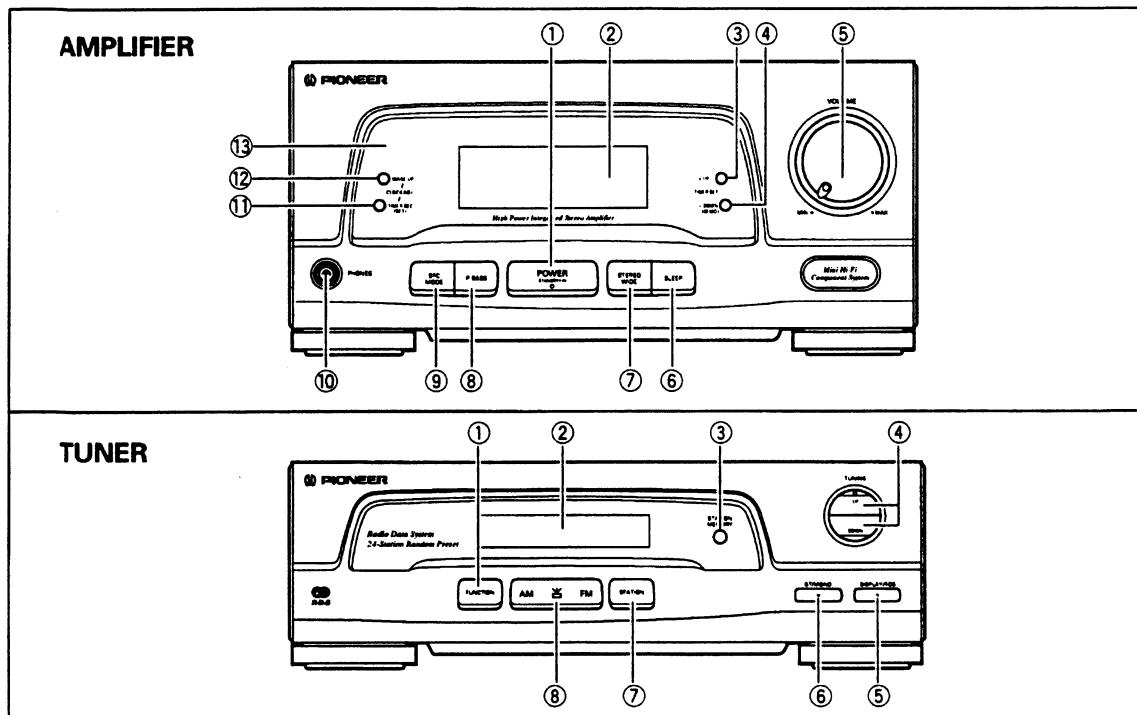
XS-P5500

No.	Pin Name	Pin Function	I/O	Description	Logic
49	P133	POWER	O	Peripheral circuit power supply ON/OFF	H
50	P132	R. MUTE	O	Muting (Rch) output	H
51	P131	L. MUTE	O	Muting (Lch) output	H
52	P130	NOT USED	O	OPEN (built-in pull-up)	L
53	P143	D. CLK	O	Display data clock output	
54	P142	NOT USED	O	OPEN (built-in pull-up)	L
55	P141	D. DATA	O	Display data output	
56	P140	D. REQ	O	Display data transmission request output	L
57	NC	NOT USED	—	Connected to +5V.	
58	VDD	VDD			
59	P33	BUSY	I	System bus talker enable input	
60	P32	R/E (2)	I/O	System bus request/enable 2 input/output	
61	P31	R/E (1)	I/O	System bus request/enable 1 input/output	
62	P30	SDATA	I/O	System bus data input/output	
63	P43	NOT USED	O	OPEN	L
64	P42	SC	O	Key scan strobe output	H

9. BLOCK DIAGRAM



10. PANEL FACILITIES



AMPLIFIER

① POWER STANDBY/ON switch and STANDBY indicator

This is the switch for electric power.

ON: When set to the ON position, power is supplied and the unit becomes operational.

STANDBY: When set to the STANDBY position, the main power flow is cut and the unit is no longer fully operational. A minute flow of power feeds the unit to maintain operation readiness. (The STANDBY indicator lights.)

② Display

③ TIMER SET (+) UP button

④ TIMER SET (-) DOWN button

⑤ VOLUME control

⑥ SLEEP button

⑦ STEREO WIDE button

⑧ P. BASS button

⑨ SFC MODE button

⑩ Headphones jack (PHONES)

⑪ TIMER REC (SET) button

⑫ WAKE-UP button

⑬ Remote sensor

TUNER

① FUNCTION button

Each time this button is pressed, the function changes in the following sequence (The selected function is displayed in the display window and indicator.) :



■ AUTO FUNCTION

This system has an auto tuning function which automatically switches the input source when tape playback, CD play or tuner operation (FM/AM selection) is started.

NOTE:

The function cannot be switched during recording and tape copying.

② Display

③ STATION MEMORY button

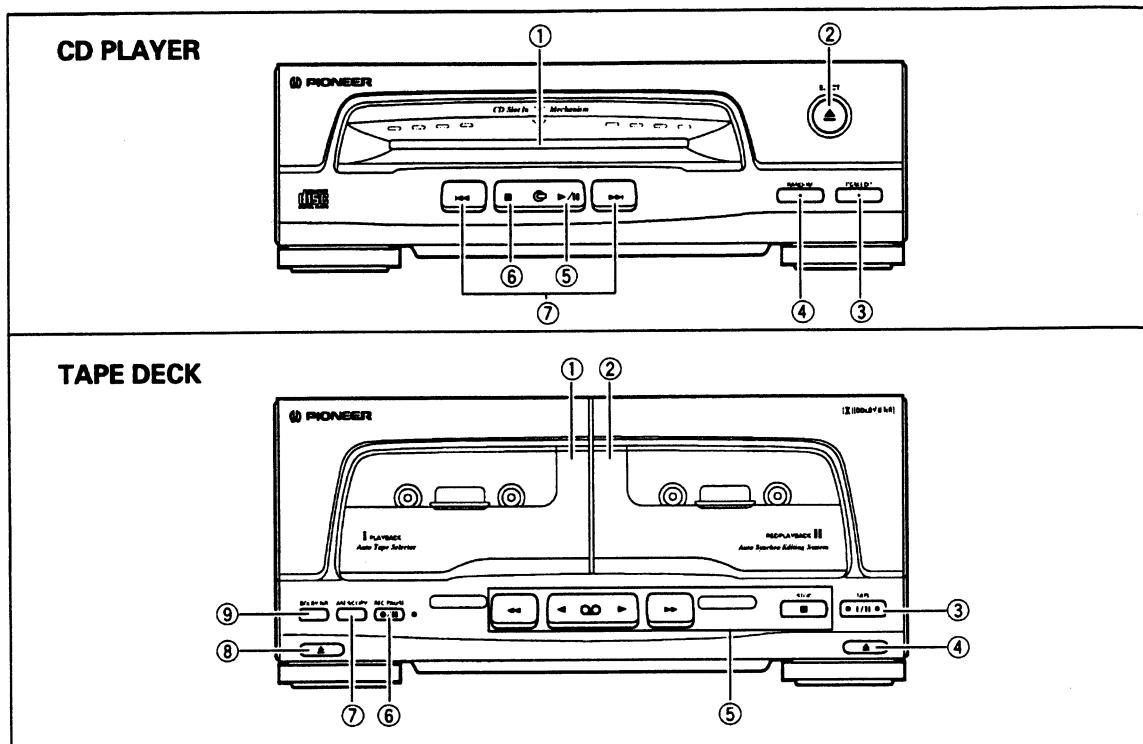
④ TUNING (UP, DOWN) buttons

⑤ DISPLAY/RDS button

⑥ ST/MONO button

⑦ STATION button

⑧ AM/FM button

**CD PLAYER**

- ① Disc slot
- ② EJECT button (Δ)
- ③ PGM (Program)/EDIT button
- ④ RANDOM button
- ⑤ Play/pause button (\triangleright/\ll)
- ⑥ Stop button (\blacksquare)
- ⑦ Manual/track search buttons
($\ll\ll$, $\gg\gg$)

TAPE DECK

- ① Tape I cassette door
- ② Tape II cassette door
- ③ TAPE I/II selector button
- ④ Tape II eject button (Δ)
- ⑤ Tape operation buttons
(Fast $\ll\ll$ $\gg\gg$, STOP \blacksquare , Play \ll \gg)
- ⑥ REC PAUSE button (\bullet/\ll)
- ⑦ ASES (Auto Synchro Editing System)/COPY button
- ⑧ Tape I eject button (Δ)
- ⑨ DOLBY* NR ON/OFF button
Each time this button is pressed, Dolby NR system turns ON and OFF.

*

- Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
- "DOLBY" and the double-D symbol are trademarks of Dolby Laboratories Licensing Corporation.

11. SPECIFICATIONS

Amplifier section

Music power (DIN).....	95 W + 95 W
Continuous Power Output (DIN).....	55 W + 55 W (1 kHz, T.H.D. 1%, 8 Ω)
Continuous Power Output (RMS).....	70 W + 70 W (1 kHz, T.H.D. 10%, 8 Ω)
Dimensions.....	260 (W) x 121 (H) x 234 (D)mm
Weight	4.3 kg

● Above specifications are for when power supply is 230V.

FM/AM tuner section

FM Tuner section

Frequency Range.....	87.5 MHz to 108 MHz
Usable Sensitivity.....	Mono: 14.2 dBf, IHF (1.4 μV/75 Ω)
Antenna Input	75 Ω unbalanced

AM Tuner Section

Frequency Range.....	531 kHz to 1,602 kHz
Antenna.....	Loop Antenna
Dimensions.....	260 (W) x 86 (H) x 234 (D)mm
Weight	1.4 kg

CD Section

Type.....	Compact disc digital audio system
Wow and Flutter	Limit of measurement (±0.001% W.PEAK) or less (EIAJ)
S/N Ratio (EIAJ)	96 dB
Dimensions.....	260 (W) x 86 (H) x 230 (D)mm
Weight	1.7 kg

Cassette deck section

Systems	4 track, 2-channel stereo
Heads.....	Recording/playback head x 1 Playback head x 1 Erasing head x 1
Motor	DC Servo motor x 1
Wow and Flutter.....	No more than 0.1%(WRMS)
Frequency Response (-20 dB recording) :	
TYPE I	
(Normal) tape	35 Hz to 14,000 Hz ± 6 dB
TYPE II	
(HIGH/CrO ₂) tape	35 Hz to 15,000 Hz ± 6 dB
Signal-to Noise Ratio	
Dolby NR OFF	56 dB
Noise Reduction Effect	
Dolby B type NR ON	More than 10 dB (at 5 kHz)
Dimensions.....	260 (W) x 121 (H) x 226 (D)mm
Weight	2.4 kg

Miscellaneous

Power Requirements	
European model	AC. 220-230 V, 50/60 Hz
U.K. model.....	AC. 230V, 50/60Hz
Power Consumption.....	290 W

Accessories

Operating Instructions	1
Remote Control Unit	1
Dry Cell Batteries (AAA/R03)	2
FM T-type Antenna.....	1
AM Loop Antenna	1
System Cable.....	1
Speaker Cords (supplied with speaker system)	2
Warranty card	1

NOTE:

Specifications and design subject to possible modification without notice, due to improvements.